

Enclosed type switching power supplies

15W Single Output Switching Power Supply



GS-15...

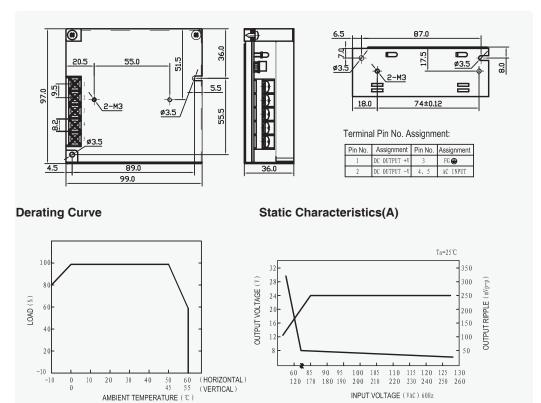
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- 100% full load burn-in test
- Protections: Short circuit / Over load
- Cooling by free air convection
- Fixed switching frequency at 37KHz
- 1 year warranty
- Dimensions: 99*97*36mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-15-5	GS-15-12	GS-15-24				
	DC Voltage	5V	12V	24V				
	Voltage Tolerance	±2%	±1%	±1%				
	Rated Current	3A	1.3A	0.7A				
O. da. d	Current Range	0-3A	0-1.3A	0-0.7A				
Output	Rated Power	15W	15.6W	16.8W				
	Ripple & Noise	50 mVp-p	50 mVp-p	100 mVp-p				
	DC Voltage adi. Range	-5%,+10%	±10%	±10%				
	Setup,Rise,Hold Time	200ms,100ms,30m	s at full load					
	Voltage Range	85-132 VAC / 170-2	264 VAC 47-63 Hz; selected b	y switch 240-370VDC				
	AC Current	0.5 A/115 V 0.25A/	230 V					
nput	Efficiency	65%	68%	72%				
	Inrush Current	Cold start 15A/115	Cold start 15A/115VAC 30A/230VAC					
	Leakage Current	<0.5 mA/240VAC	<0.5 mA/240VAC					
		110%-160%	110%-160%					
Protection	Over Load		ld back current limiting, recov	ers automatically				
			after fault condition is removed					
	Working Temp., Humidity	-10 C~+60 C; 20%						
Environment	Storage Temp., Humidity	-20 C~+85 C; 10%	~95 %RH					
	Vibration	10~500Hz, 2G 10min	./1cycl, period for 60 min, each	along X, Y, Z, axes				
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC I	/P-FG: 1.5KVAC O/P-FG: 0.5	KVAC				
Calcty	Isolation Resistance	I/P-O/P, I/P-FG, O/I	P-FG :100M /500VDC					
Standards	Safety Standard	Design refer to UL1	012					
Giariuarus	EMC Standard	Design refer to FC0	C Part 15J Conduction Class	В				
Others	Weight	0.31Kg						
Jiners	Packing	45pcs/15Kg/0.9CU	FT					





Enclosed type switching power supplies

25W Single Output Switching Power Supply



GS-25...

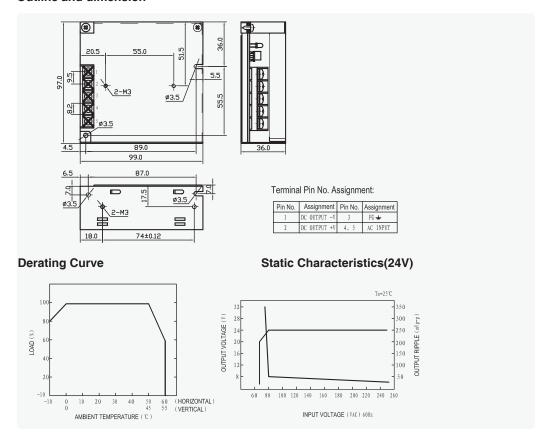
Feature

- High efficiency, high reliability
- Universal AC input / Full range
- 100% full load burn-in test
- Protection:
- Short circuit / Over load / Over voltage
- Fixed switching frequency at 37 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 99*97*36mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS-25-5	GS-25-12	GS-25-15	GS-25-24					
	DC Voltage	5V	12V	15V	24V					
	Voltage Tolerance	±2%	±1%	±1%	±1%					
	Rated Current	5A	2.1A	1.7A	1.1A					
Output	Current Range	0-5A	0-2.1A	0-1.7A	0-1.1A					
Output	Rated Power	25W	25.2W	25.5W	26.4W					
	Ripple & Noise	50mVp-p	100mVp-p	100 mVp-p	100mVp-p					
	DC Voltage adi.Range	-5%, +10%	±10%	±10%	±10%					
	Setup,Rise,Hold Time	800ms,50ms,10ms/115VAC 300ms,50ms,80ms/230VAC at full load								
	Voltage Range	85~264 VAC 47~63 Hz, 120~370VDC								
	AC Current	0.6 A/115 V0.35A/ 230 V								
Input	Efficiency	72%/115VAC	76%/115VAC	77%/115VAC	80%/115VAC					
	Inrush Current	Cold start 15A/115V 30A/2	230V							
	Leakage Current	<0.75 mA/240VAC								
	Over Load	110%~160%								
Protection	Over Load	Protection type: Fold back current limiting, recovers automatically after fault condition is removed								
Protection	Over Veltere	115%~135%								
	Over Voltage	Protection type: hiccup mode, recovers automatically after fault condition is removed								
	Working Temp., Humidity	-10°C~+60°C; 20%~90 %F	RH .							
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%~95 %F	RH							
	Vibration	10~500Hz, 2G 10min./1cy	cle, period for 60min,	X, Y, Z each along axes	S					
0-4-4-	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.	5KVACO/P-FG: 0.5KV	'AC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:10	00M /500VDC							
Oten dende	Safety Standard	Design refer to UL1012, To	UVEN60950							
Standards	EMC Standard	Design refer to EN55022,	EN61000-3-2, -3, EN6	31000-4-2,3,4,5, ENV5	0204, EN55024					
Other	Weight	0.39Kg								
Others	Packing	45pcs/18Kg/0.86CUFT								





Enclosed type switching power supplies

35W Single Output Switching Power Supply



GS-35...

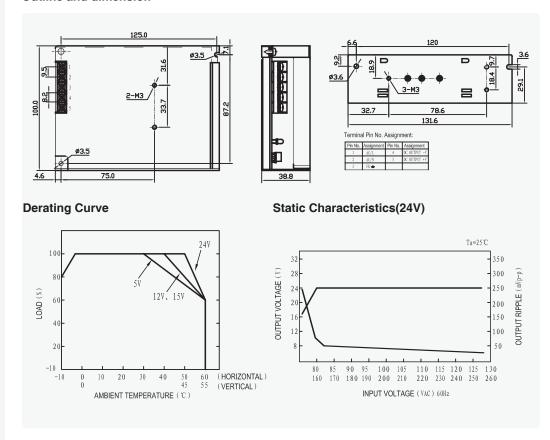
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Protections: Short circuit / Over load
- LED indicator for powr on
- Fixed switching frequency at 37KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 129*98*38mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-35-5	GS-35-9	GS-35-12	GS-35-15	GS-35-24					
	DC Voltage	5V	9V	12V	15V	24V					
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%					
	Rated Current	7A	3.6A	3A	2.4A	1.5A					
Output	Current Range	0-7A	0-3.6A	0-3A	0-2.4A	0-1.5A					
Output	Rated Power	35W	32.4W	36W	36W	36W					
	Ripple & Noise	75 mVp-p	100 mVp-p	100 mVp-p	100 mVp-p	100 mVp-p					
	DC Voltage adi. Range	-5%,+10%	±10%	±10%	±10%	±10%					
	Setup,Rise,Hold Time	200ms,100ms,30ms at full load									
	Voltage Range	85-132 VAC/170-2	85-132 VAC/170-264VAC selected by switch, 240-370VDC; 47-63 Hz								
	AC Current	0.8 A/115 V 0.45A	/ 230 V								
Input	Efficiency	70%	72%	76%	78%	78%					
	Inrush Current	Cold start 18A/115	Cold start 18A/115V 36A/230V								
	Leakage Current	< 2mA/240VAC									
Protection	Over Load	110%~160%									
Protection	Over Load	Protection type: Fold back current limiting, recovers automatically after fault condition is removed									
	Working Temp., Humidity	-10°C~+60°C; 20%	%~90 %RH								
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%	%~95 %RH								
	Vibration	10~500Hz, 2G 10	min./1cycl, period fo	or 60 min,each along	X,Y, Z, axes						
Cofob	Withstand Voltage	I/P-O/P: 1.5KVAC	I/P-FG: 1.5KVAC O	/P-FG: 0.5KVAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O	/P-FG: 100M /500VI	DC							
Standards	Safety Standard	Design refer to UL	.1012								
olariudrus	EMC Standard	Design refer to FC	CC Part 15 J Conduc	ction Class B							
Others	Weight	0.41Kg									
Outers	Packing	45pcs/18.5Kg/1.22CUFT									





Enclosed type switching power supplies

40W Single Output Switching Power Supply



GS-40...

Feature

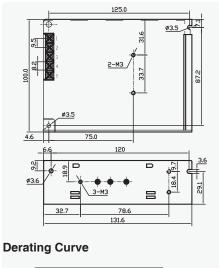
- High efficiency, high reliability
- Universal AC input / Full range
- 100% full load burn-in test
- Protection:
- Short circuit / Over load
- Fixed switching frequency at 36 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 129*98*38mm (L*W*H)

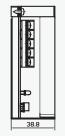
Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS-40-5	GS-40-12	GS-40-15	GS-40-24					
	DC Voltage	5V	12V	15V	24V					
	Voltage Tolerance	±2%	±1%	±1%	±1%					
	Rated Current	8A	3.5A	2.8A	1.8A					
0.44	Current Range	0-8A	0-3.5A	0-2.8A	0-1.8A					
Output	Rated Power	40W	42W	42W	43W					
	Ripple & Noise	75mVp-p	100mVp-p	100 mVp-p	100mVp-p					
	DC Voltage adi. Range	-5%, +10%	±10%	±10%	±10%					
	Setup,Rise,Hold Time	800ms,50ms,15ms/115VAC300ms,50ms, 60ms/230VAC at full load								
	Voltage Range	85-264 VAC 47-63 Hz, 120-370VDC								
	AC Current	1.2A/115V 0.6A/ 230	1.2A/115V 0.6A/ 230 V							
Input	Efficiency	72%/115VAC	76%/115VAC	76%/115VAC	78%/115VAC					
	Inrush Current	Cold start 30A/115VA	C 60A/230VAC		,					
	Leakage Current	<1 mA/240VAC	<1 mA/240VAC							
	Over Load	110%~160%								
Protection	Over Load	Protection type: Fold back current limiting, auto-recovery								
Protection	O Valla	115%~135%	115%~135%							
	Over Voltage	Protection type: hiccup mode, auto-recovery								
	Working Temp., Humidity	-10°C~+60°C; 20%~90) %RH							
Environment	Storage Temp., Humidity	-20℃~+85℃; 10%~95	5 %RH							
	Vibration	10~500Hz, 2G 10min.	/1 cycle, period for 6	Omin, each along X, Y,	Z axes					
Cafet	Withstand Voltage	I/P-O/P: 3KVAC I/P-F0	G: 1.5KVAC O/P-FG:	0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-F	G: 100M /500VDC							
Ota in danida	Safety Standard	Design refer to UL101	2, UL1950, TUVEN6	60950						
Standards	EMC Standard	Design refer to EN550	022, EN61000-3-2,-3	EN61000-4-2, 3, 4, 5	, ENV50204, EN55024					
	Weight	0.44Kg								
Others	Packing	45pcs/18Kg/1.22CUF	45pcs/18Kg/1.22CUFT							

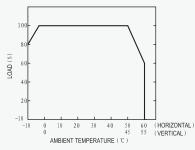
Outline and dimension



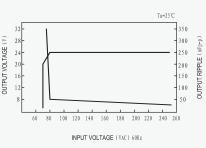


Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG 🛨		



Static Characteristics(24V)





Enclosed type switching power supplies

45W Single Output Switching Power Supply



GS-45...

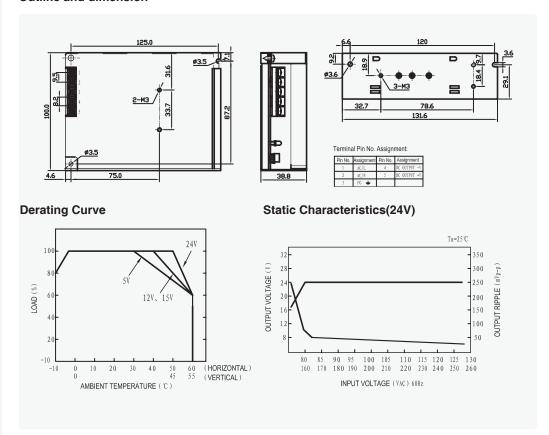
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- 100% full load burn-in test
- Protections: Short circuit / Over load
- Cooling by free air convection
- LED indicator for power on
- 1 year warranty
- Dimensions: 129*98*38mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-45-5	GS-45-12	GS-45-15	GS-45-24					
	DC Voltage	5V	12V	15V	24V					
	Voltage Tolerance	<u>+</u> 2%	±1%	±1%	±1%					
	Rated Current	8A	3.7A	3A	1.9A					
Output	Current Range	0-8A	0-3.7A	0-3A	0-1.9A					
Output	Rated Power	40W	44.4W	45W	45.6W					
	Ripple & Noise	90mVp-p	100 mVp-p	100 mVp-p	100 mVp-p					
	DC Voltage adi. Range	±10%	±10%	±10%	±10%					
	Setup,Rise,Hold Time	200ms,100ms,30ms at full load								
	Voltage Range	85~132VAC/170~264VAC; 47~63Hz; selected by switch40~370VDC								
	AC Current	1A/ 115VAC 0.5A/230V	AC							
Input	Efficiency	70%	76%	78%	78%					
	Inrush Current	Cold start 18A/115V 36A/230V								
	Leakage Current	<2mA/240VAC								
Protection	Over Load	110%~160%								
Protection	Over Load	Protection type: Fold back current limiting, recovers automatically after fault condition isremoved.								
	Working Temp., Humidity	10°C~+60°C; 20%~90°	%RH							
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%~95	%RH							
	Vibration	10~500Hz, 2G 10min./	1 cycle, period for 60min,	each along X, Y, Z axes						
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-F	G: 1.5KVAC O/P-FG: 0.5	KVAC						
Salety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-F0	3: 100M /500VDC							
Standards	Safety Standard	Design refer to UL1012	,							
Sidfludfus	EMC Standard	Design refer to FCC Pa	rt15J Conduction Class	В						
Others	Weight	0.4Kg								
	Packing	30pcs/13.4Kg/0.86CUF	Т							





Enclosed type switching power supplies

50W Single Output Switching Power Supply



GS-50...

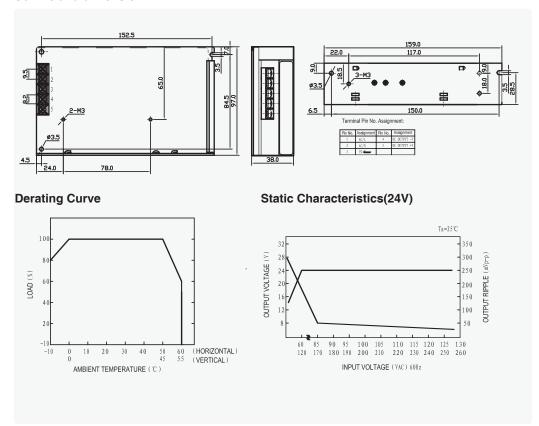
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 27KHz
- Protections: Short circuit / Over load
- Cooling by free air convection
- LED indicator for power on
- 1 year warranty
- Dimensions: 159*97*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-50-5	GS-50-12	GS-50-15	GS-50-24	GS-50-48				
	DC Voltage	5V	12V	15V	24V	48V				
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%				
	Rated Current	10A 4.2A		3.4A	2.1A	1A				
Output	Current Range	0-10A	0-4.2A	0-3.4A	0-2.1A	0-1A				
	Rated Power	50W	50.4W	51W	50.4W	48W				
	Ripple & Noise	75mVp-p	100 mVp-p	100 mVp-p	100 mVp-p	100 mVp-p				
	DC Voltage adi. Range	-5%, +10%	±10%	±10%	±10%	±10%				
	Setup,Rise,Hold Time	200ms,100ms,20ms at full load								
	Voltage Range	85-132 VAC/170-264VAC 47-63 Hz; selected by switch240~370VDC								
	AC Current	1.3A/115 V 0.65A	/ 230 V							
Input	Efficiency	71%	78%	78%	82%	84%				
· ⊢	Inrush Current	Cold start18A/115V 36A/230V								
	Leakage Current	<1 mA/240VAC								
D:	0 1 1	110%~160%								
Protection	Over Load	Protection type: Fold back current limiting, recovers automatically after faultIt condition is removed								
	Working Temp., Humidity	-10°C~+60°C; 20%~90 %RH								
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%	%~95 %RH							
	Vibration	10-500Hz, 2G 10r	min./1cycle, period	for 60min, each alo	ng X, Y, Z axes					
0.11	Withstand Voltage	I/P-O/P:1.5KVAC	I/P-FG:1.5KVAC O	/P-FG:0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O	/P-FG: 100M /500	VDC						
01	Safety Standard	Design refer to UL	_1012							
Standards	EMC Standard	Design refer to FC	CC Part15 J Condu	ction Class B						
Otherna	Weight	0.51Kg								
Others	Packing	24pcs/13.1Kg/0.7CUFT								





Enclosed type switching power supplies

60W Single Output Switching Power Supply



GS-60...

Feature

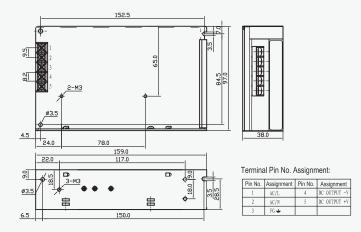
- High efficiency, high reliability
- Universal AC input / Full range
- 100% full load burn-in test
- Protection:
- Short circuit / Over load/ Over voltage
- Fixed switching frequency at 50 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 159*97*38mm(L*W*H)

Notes:

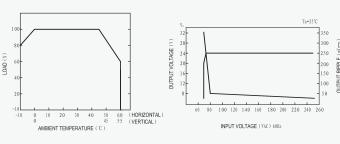
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS-60-5	GS-60-12	GS-60-15	GS-60-24	GS-60-48				
Output	DC Voltage	5V	12V	15V	24V	48V				
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%				
	Rated Current	12A	5A	4A	2.5A	1.3A				
	Current Range	0-12A	0-5A	0-4A	0-2.5A	0-1.3A				
	Rated Power	60W	60W	60W	60W	62W				
	Ripple & Noise	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p				
	DC Voltage adi. Range	-5%,+10%	±10%	±10%	±10%	±10%				
	Setup,Rise,Hold Time	800ms,50ms,10ms	s/115VAC 300ms,50	ms,80ms/230VAC						
Input	Voltage Range	85-264 VAC 47-63 Hz, 120-370VDC								
	AC Current	2A/115 V 1A/ 230 V								
	Efficiency	73%/ 76% 77% 78% 79%								
	Inrush Current	Cold start 30A/115VAC 60A/230VAC								
	Leakage Current	<3.5 mA/240VAC								
Protection	Over Load	135%~165% Protection type: Fold back current limiting, recovers automatically after fault condition is removed.								
	Over Voltage	115%~35%, Protection type: hiccup mode, recovers automatically after fault condition is removed.								
Environment	Working Temp., Humidity	-10°C~+60°C; 20%	5~90 %RH							
	Storage Temp., Humidity	-20°C~+85°C; 10%	%~95 %RH							
	Vibration	10-500Hz, 2G 10n	nin./1 cycle, period fo	r 60min, each long)	ζ, Y, Z, axes					
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/F	P-FG: 1.5KVAC O/P-	FG: 0.5KVAC						
	Isolation Resistance	I/P-O/P, I/P-FG, O/	/P-FG:100M /500VD	С						
Standards	Safety Standard	Design refer to UL	1012, UL1950, TUV	EN60950						
	EMC Standard	Design refer to EN55022, EN61000-3-2, -3. EN61000-4-2, 3, 4, 5, 6, 8, 11. EN50204, EN55024								
Others	Weight	0.51Kg								
	Packing	30pcs/16Kg/0.86CUFT								

Outline and dimension



Derating Curve



Static Characteristics(24V)

http://www.greegoo.com



Enclosed type switching power supplies

70W Single Output Switching Power Supply



GS-70...

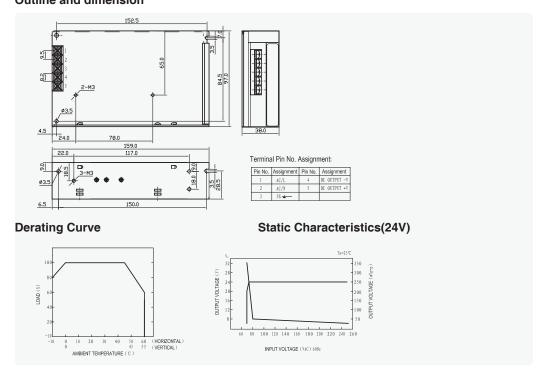
Feature

- · High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
- Short circuit / Over load/ Over voltage
- Fixed switching frequency at 50 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 159*97*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

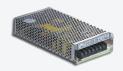
Model		GS-70-12	GS-70-15	GS-70-24	GS-70-48				
Output	DC Voltage	12V	15V	24V	48V				
	Voltage Tolerance	±1%	±1%	±1%	±1%				
	Rated Current	6A	4.8A	3A	1.5A				
	Current Range	0-6A	0-4.8A	0-3A	0-1.5A				
	Rated Power	72W	72W	72W	72W				
	Ripple & Noise	120mVp-p	150mVp-p	150mVp-p	200mVp-p				
	DC Voltage adi. Range	+10%	10% ±10% ±		±10%				
	Setup,Rise,Hold Time	800ms, 50ms,10ms/115VAC300ms,50ms, 80ms/230VAC at full load							
Input	Voltage Range	85-264 VAC47-63 Hz, 120-370VDC							
	AC Current	2A/115V 1A/ 230 V							
	Efficiency	76%/	77% 79%		80%				
	Inrush Current	Cold start 30A/115VA	AC 60A/230VAC		1				
	Leakage Current	<3.5 mA/240VAC							
Protection	Over Load	135%~165%							
		Protection type: Fold back current limiting, recovers automatically after fault condition is removed							
	Over Voltage	115%~135%							
		Protection type: hiccu	ıp mode, recovers autor	natically after fault cond	dition is removed.				
Environment	Working Temp., Humidity	-10°C~+60°C; 20%~9	00 %RH						
	Storage Temp., Humidity	-20°C~+85°C; 10%~9	95 %RH						
	Vibration	10-500Hz, 2G 10min	/1cycle, period for 60m	in, each along X, Y, Z a	xes				
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-F	G: 1.5KVAC O/P-FG: 0	5KVAC					
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-	FG:100M /500VDC						
Standards	Safety Standard	Design refer to UL10	12, UL1950, TUV EN60	950					
	EMC Standard	0	022, EN61000-3-2,-3, ,8,11;ENV50204,EN550	024					
Others	Weight	0.51Kg							
	Packing	30pcs/16Kg / 0.86CUFT							





Enclosed type switching power supplies

100W Single Output Switching Power Supply



GS-100...

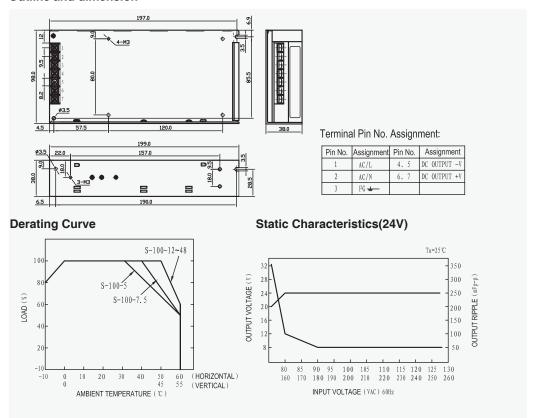
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 25KHz
- Protections: Short circuit / Over load
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 199*98*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS- 100-3	GS- 100-5	GS- 100-7.5	GS- 100-12	GS- 100-15	GS- 100-18	GS- 100-24	GS- 100-27	GS-		
	DC Voltage	33V	5V	7.5V	12V	15V	18V	24V	27V	48V		
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	20A	20A	13.6A	8.5A	6.7A	5.6A	4.5A	3.7	2A		
0	Current Range	0-20A	0-20A	0-13.6A	0-8.5A	0-6.7A	0-5.6A	0-4.5A	0-3.7A	0-2A		
Output	Rated Power	6W	100W	102W	102W	100.5W	100.8W	108W	99.9W	96W		
	Ripple & Noise	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p		
	DC Voltage adi. Range	-5%+10%	-5%+10%	±10%	±10%	±10%	±10%	±10%	-4%±18%	±10%		
	Setup,Rise,Hold Time	200ms,80ms,20ms at full load										
	Voltage Range	85~132 VAC/180~264VAC 47~63 Hz; selected by switch 255~370VDC										
	AC Current	2.4A/115 V	2.4A/115 V 1.2A/ 230 V									
_	Efficiency	70%	78%	80%	81%	81%	82%	84%	84%	84%		
	Inrush Current	Cold start 30A/115V 60A/230V										
	Leakage Current	1 mA/240VAC										
Protection	Over Load	135%~1659	135%~165%									
FIOLECTION	Over Load	Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed.										
	Working Temp& Humidity	-10°C~+60°C; 20%~90 %RH										
Environment	Storage Temp & Humidity	-20°C~+85°	°C; 10%~95	%RH								
	Vibration	10-500Hz,	2G 10min./1	cycle, period	l for 60min, e	each along X	, Y, Z axes					
0-4-4-	Withstand Voltage	I/P-O/P: 1.5	KVAC I/P-F	G: 1.5KVAC	O/P-FG: 0.5	KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-	-FG, O/P-FG	3 100M /500	VDC							
Standards	Safety Standard	Design refe	r to UL1012									
Standards	EMC Standard	Design refe	r to FCC Pa	rt 15 J Cond	uction Class	В						
Othoro	Weight	0.62Kg										
Others	Packing	30pcs/18Kg/1.22CUFT										





Enclosed type switching power supplies

100W Single Output Switching Power Supply



GS-100F...

Feature

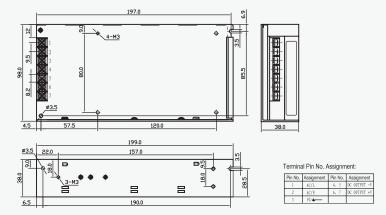
- · High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
- Short circuit / Over load/ Over voltage
- Fixed switching frequency at 83 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 199*98*38mm (L*W*H)

Notes:

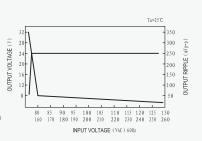
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS-	GS-	GS-	GS-	GS-	GS-	GS-			
Wiodoi		100F-5	100F-7.5	100F-12	100F-15	100F-24	100F-27	100F-48			
	DC Voltage	5V	7.5V	12V	15V	24V	27V	48V			
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%	±1%	±1%			
	Rated Current	20A	13.5A	8.5A	6.7A	4.5A	3.5A	2.2A			
0.44	Current Range	0-20A	0-13.5A	0-8.5A	0-6.7A	0-45.A	0-3.5A	0-2.2A			
Output	Rated Power	100W	101W	102W	100.5W	108W	94.5W	105.6W			
	Ripple & Noise	120mVp-p	125mVp-p	125mVp-p	125mVp-p	150mVp-p	150mVp-p	150mVp-p			
	DC Voltage adi. Range	+10%	±10%	±10%	±10%	±10%	±10%	±10%			
	Setup,Rise,Hold Time	1s,30ms,15ms at full load									
	Voltage Range	88~132 VAC/176~264VAC 47~63 Hz, selected by switch 248~370VDC									
	AC Current	3.15A/115 V 1.5A/ 230 V									
Input	Efficiency	76%	78%	80%	81%	83%	83%	84%			
	Inrush Current	Cold start 30A/115V 60A/230V									
	Leakage Current	<1 mA/240VAC									
	Overland	135%~165%									
Protection	Over Load	Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed									
Protection	O Valta a	115%~135%									
	Over Voltage	Protection type: hiccup mode, recovers automatically after fault condition is removed.									
	Working Temp., Humidity	-10°C~+60°C	; 20%~90 %R	Н							
Environment	Storage Temp., Humidity	-20°C~+85°C	; 10%~95 %R	Н							
	Vibration	10-500Hz, 20	G 10min./1cyc	le, period for 6	30 min, each	along X, Y, Z a	xes				
Cofety	Withstand Voltage	I/P-O/P: 3KV	AC I/P-FG: 1.5	KVAC O/P-F0	G: 0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG:10	0M /500VDC							
Ctandarda	Safety Standard	Design refer	to UL1012TU	V EN60950							
Standards	EMC Standard	Design refer	to EN55022, E	EN61000-3-2,	-3; EN61000-	4-2,3,4,5,6,8,1	1. ENV50204,	EN55024			
Others	Weight	0.65Kg									
Olliels	Packing	30pcs/18Kg/	1.22CUFT								

Outline and dimension



Derating Curve



Static Characteristics(24V)

LOAD (%)	100- 80- 60- 40- 20-				S-100	\$-1	00F-1	2. 24	
	-10 -10	0	10	20	30	40	50	60	(HORIZONTAL)
		0	AMBIE	NT TEN	MPERA	TURE	45 (°C')	55	(VERTICAL)



Enclosed type switching power supplies

100W Single Output Switching Power Supply



GS-100B...

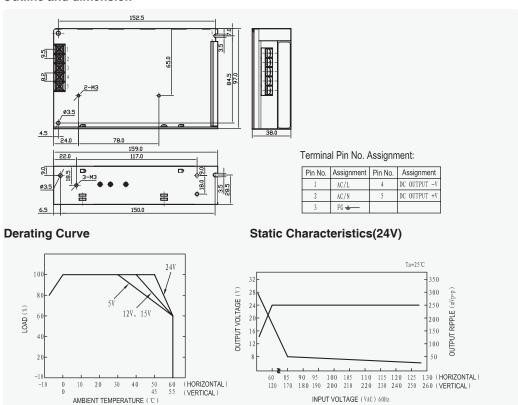
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 100KHz
- Protections: Short circuit / Over load
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 159*97*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-100B- 5	GS- 100B-7.5	GS- 100B-12	GS- 100B-15	GS- 100B-24	GS- 100B-48		
	DC Voltage	5V	7.5V	12V	15V	24V	48V		
	Voltage Tolerance	±1.5%	±1.5%	±1%	±1%	±1%	±1%		
	Rated Current	15A	11A	8.3A	6.6A	4.2A	2.1A		
Dutput	Current Range	0-15A	0-11A	0-8.3A	0-6.6A	0-4.2A	0-2.1A		
Output	Rated Power	75W	82.5W	99.6W	99W	100.8W	100.8W		
	Ripple & Noise	80mVp-p	120 mVp-p	120 mVp-p	150 mVp-p	150 mVp-p	150 mVp-p		
	DC Voltage adi. Range	+10%	±10%	±10%	±10%	±10%	±10%		
	Setup,Rise,Hold Time	300ms,150ms	,20ms						
	Voltage Range	90~135VAC/1	30-264VAC 47-6	S3Hz					
	AC Current	1.9A/115VAC	1A/230V AC						
Dutput F F C S N A A Protection C Environment S Safety I Standards E E Dthers	Efficiency	78%	80%	81%	82%	84%	84%		
	Inrush Current	Cold start 150A/230V							
	Leakage Current	<1 mA/240VA	2						
Don't sties	0	115%~150%							
Protection	Over Load	Protection type	: Fold back curre	nt limiting, recove	ers automatically	after faultIt condit	ion is removed		
	Working Temp., Humidity	-10°C~+60°C;	20%~90 %RH						
Environment	Storage Temp., Humidity	-20°C~+85°C;	10%~95 %RH						
	Vibration	10-500Hz, 2G	10min./1cycle,	period for 60min	, each along X,	Y, Z axes			
0-6-6-	Withstand Voltage	I/P-O/P:1.5KV	AC I/P-FG:1.5K	VAC O/P-FG:0.5	KVAC				
Safety	Isolation Resistance	I/P-O/P, I/P-FG	a, O/P-FG: 100	M /500VDC					
Ctour doude	Safety Standard	Design refer to	UL1012 EN60	950					
Stanuards	EMC Standard	Design refer to	EN55022, IEC	801-2,3,4 EN61	000, ENC555-2				
Otherna	Weight	0.51Kg							
omers	Packing	30pcs/16.1Kg/	0.86CUFT						



GREEGOO

Switching mode power supply

Enclosed type switching power supplies

145W Single Output Switching Power Supply



GS-145...

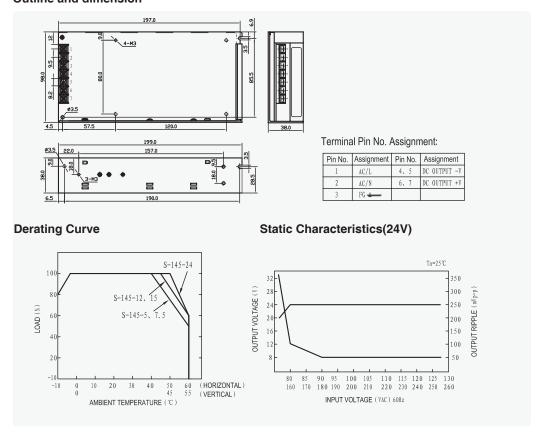
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 25KHz
- Protections: Short circuit / Over load
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 199*98*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS-145-5	GS-145-7.5	GS-145-12	GS-145-15	GS-145-24					
	DC Voltage	5V	7.5V	12V	15V	24V					
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%					
Dutput F C C S Input Environment S Safety V S Standards E V V D D D D D D D D D D D D D D D D	Rated Current	25A	18A	12A	9.6A	6A					
Outnot	Current Range	0-25A	0-18A	0-12A	0-9.6A	0-6A					
Output	Rated Power	125W	135W	144W	144W	144W					
	Ripple & Noise	100mVp-p	120 mVp-p	120 mVp-p	120 mVp-p	150 mVp-p					
	DC Voltage adi. Range	+10%	-20%+10%	-12%±10%	-12%±10%	-12%±16%					
	Setup,Rise,Hold Time	100ms,50ms,20ms	at full load								
	Voltage Range	88-132 VAC/176-26	64VAC 47-63 Hz								
nput Protection Environment Safety	AC Current	3.2A/115 V 1.6A/ 230 V									
	Efficiency	78%	80.5%	80.5%	81%	83.5%					
	Inrush Current	Cold start 35A/230	Cold start 35A/230V								
	Leakage Current	3.5mA/240VAC									
	Over Load	135%~165%									
Drotootion	Over Load	Protection type: Sh	ut down o/p voltage	, re-power on to rec	over						
Protection	O Valta	115%~135%									
	Over Voltage	Protection type: Sh	ut down o/p voltage	, re-power on to rec	over						
	Working Temp & Humidity	-10°C~+60°C; 20%	~90 %RH								
Environment	Storage Temp & Humidity	-20°C ~+85°C; 10%	%~95 %RH								
	Vibration	10-500Hz, 2G 10m	in./1cycle, period fo	r 60min, each along	X, Y, Z axes						
Cofoty	Withstand Voltage	I/P-O/P: 1.5KVAC I	/P-FG: 1.5KVAC O/I	P-FG: 0.5KVAC							
Salety	Isolation Resistance	I/P-O/P, I/P-FG, O/I	P-FG 100M /500VD	С							
Standards	Safety Standard	Design refer to UL1	012								
Siailualus	Vibration 10-500Hz, 2G 10min./1cycle, period Withstand Voltage I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC I/P-FG: 1.5KVAC I/P-FG: 0/P-FG 100M /500V Safety Standard Design refer to UI 1012										
Others	Weight	0.71Kg									
Outers	Packing	30pcs/22.5Kg/1.2	2CUFT	<u> </u>	<u> </u>						





Enclosed type switching power supplies

150W Single Output Switching Power Supply



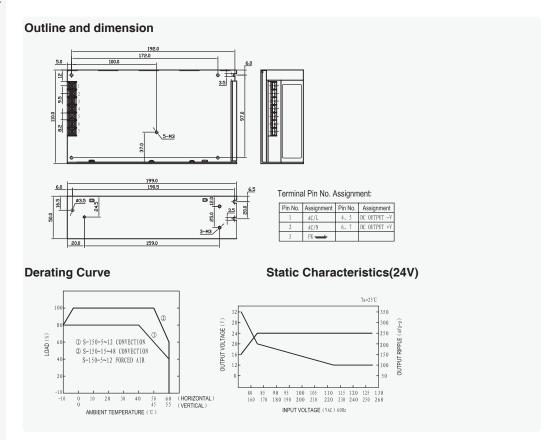
GS-150...

Feature

- · High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
- Short circuit / Over load/ Over voltage
- Fixed switching frequency at 25 KHz
- Cooling by free air convection
- 2 years warranty
- Dimensions: 199*110*50mm(L*W*H)

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS- 150-5	GS- 150-9	GS- 150-12	GS- 150-13.5	GS- 150-15	GS- 150-24	GS- 150-27	GS- 150-48			
	DC Voltage	5V	9V	12V	13.5V	15V	24V	27V	48V			
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%			
	Rated Current	30A	16.7A	12.5A	11.2A	10A	6.5A	5.6A	3.2A			
	Current Range	0-30A	0-16.7A	0-12.5A	0-11.2A	0-10A	0-6.5A	0-5.6A	0-3.2A			
Output	Rated Power	150W	150.3W	150W	151.2W	150W	156W	151.2W	153.6W			
	Ripple & Noise	150mVp-p	180mVp-p	180mVp-p	180mVp-p	180mVp-p	240mVp-p	240mVp-p	240mVp-p			
	DC Voltage adi. Range	±10%	-12%±15%	-12%±10%	-12%±11%	±10%	-12%±16%	-12%±11%	±10%			
	Setup,Rise,Hold Time	100ms,50m	100ms,50ms,20ms at full load									
	Voltage Range	88~132 VAC	C/176~264VA	C 47~63Hz;	selected by s	switch 248~3	70VDC					
	AC Current	3.2A/115 V	1.6A/ 230 V									
Input	Efficiency	78%/	80%	82%	83%	84%	85%	86%	87%			
	Inrush Current	Cold start 3	5A/230VAC									
	Leakage Current	<3.5mA/240	OVAC									
	Over Load	110%~160%										
Protection	Over Load	Protection type: Shut down o/p voltage, re-power on to recover										
FIOLECTION	Over Voltage	115%~135%										
	Over vollage	Protection t	ype: Shut do	wn o/p voltag	e, re-power o	n to recover						
	Working Temp., Humidity	-10°C~+60°(c; 20%~90 %	RH								
Environment	Storage Temp., Humidity	-20°C~+85°(C; 10%~95 %	RH								
	Vibration	10~500Hz,	2G 10min./1d	cycle, period	for 60min, ea	ch along X,	Y, Z axes					
Safety	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG:	1.5KVAC O/F	P-FG: 0.5KVA	C						
Salety	Isolation Resistance	I/P-O/P, I/P-	FG, O/P-FG:	100M /500VI	OC							
	Safety Standard	Design refe	r to UL1012,	UL1950, TU\	/ EN60950							
Standards	Design refer to EN55022 EN61000-3-2, -3; EN61000-4-2, 3, 4, 5, 6, 8, 11. ENV50204, EN55024											
Others	Weight	0.8Kg										
Others	Packing	14pcs/13.8l	Kg/0.95CUFT	-								



GREEGOO

Switching mode power supply

Enclosed type switching power supplies

200W Single Output Switching Power Supply



GS-200...

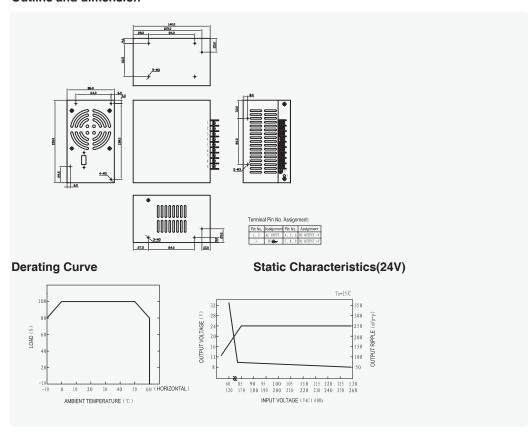
Feature

- · High efficiency, high reliability
- 100% full load burn-in test
- Protection: Short circuit / Over load
- Compact size, light weight
- High efficiency, low working temp.
- 2 years warranty
- Dimensions: 150*140*86mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS-200-5	GS-200-12	GS-200-15	GS-200-24	GS-200-27				
	DC Voltage	5V	12V	15V	24V	27V				
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%				
	Rated Current	40A	16.5A	13.3A	8.5A	7.4A				
Output	Current Range	0-40A	0-16.5A	0-13.5A	0-8.5A	0-7.4A				
Output	Rated Power	200W	200W	200W	204W	200W				
	Ripple & Noise	180mVp-p	120mVp-p	120mVp-p	120mVp-p	150mVp-p				
	DC Voltage adi. Range	-5%±10%	±10%	±10%	±10%	-4%±18%				
	Setup,Rise,Hold Time	200ms,80ms,16ms	at full load							
	Voltage Range	85~132VAC / 176~2	264VAC 47~63Hz;	selected by switch	248~370VDC					
Input	AC Current	4.2A/115VAC 2.2A/230VAC								
	Efficiency	75%/	79.5%	80%	81.5%	82%				
	Inrush Current	Cold start 30A/115	V 60A/230V							
	Leakage Current	<0.5mA/240VAC								
Duet a dieue	Own Lead	110%~160%		105%~150%						
Protection	Over Load	Protection type: Shi	ut down o/p voltage	e, re-power on to re	cover					
	Working Temp., Humidity	-10°C~+60°C; 20%~	90%RH							
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%~	95%RH			-				
	Vibration	10~500Hz, 2G 10m	nin./1cycle, period f	or 60min, each alor	ng X, Y, Z axes					
0-4-4-	Withstand Voltage	I/P-O/P: 1.5KVAC I/	P-FG: 1.5KVAC O/	P-FG: 0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/F	P-FG:100M /500VD	OC						
0	Safety Standard	Design refer to UL1	012							
Standards	EMC Standard	Design refer to FCC	Part15 J Conduct	ion Class A						
Otherno	Weight	1.3Kg								
Others	Packing	20pcs/26Kg/1.39Cl	JFT							





Enclosed type switching power supplies

201W Single Output Switching Power Supply



GS-201...

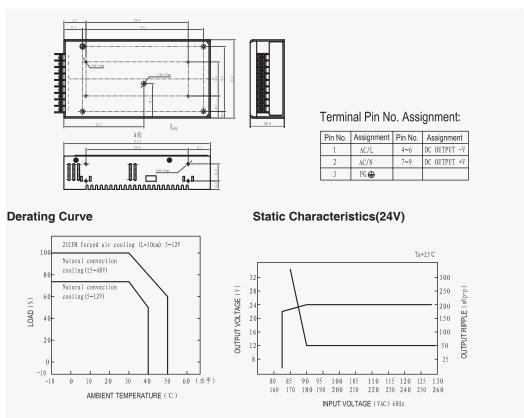
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 25KHz
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 230*115*50mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS -201-5	GS -201- 7.5	GS -201-12	GS -201-13.5	GS- 201-15	GS- 201-24	GS- 201-27	GS- 201-48		
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V		
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	40A	26.5A	16.5A	14.7A	13A	8.3A	7.4A	4.2A		
0	Current Range	0-40A	0-26.5A	0-16.5A	0-14.7A	0-13A	0-8.3A	0-7.4A	0-4.2A		
Output	Rated Power	200W	198.75W	198W	198.45W	198W	199.2W	199.8W	201.6W		
	Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p		
	DC Voltage adi. Range	-10%, +12%	±20%	-16%,+10%	-12%, +11%	-10%+20%	-16%+10%	-4%+18%	-15%+17%		
	Setup,Rise,Hold Time	200ms,100m	s,20ms at full	load							
	Voltage Range	90-132 VAC/	180-264VAC 4	47-63 Hz;sele	cted by switch	254-370VDC)				
	AC Current	4.5A/115VAC	V115VAC2.5A/230VAC								
Input					83%	84%					
	Inrush Current	50A/115V50A	/230V								
	Leakage Current	1111 111									
	Over Load	115%~135%									
	Over Load	Protection typ	e: shut down	o/p voltage, re	covers automa	atically after f	ault condition	is removed			
Protection	Over Veltage	115%~135%									
	Over Voltage	Protection typ	e: hiccup mod	e,recovers au	tomatically aft	er fault condi	tion is remove	ed			
	Over Temperature	RTH3>=90°C	shut down o/p	voltage, reco	overs automati	cally after ter	nperature goe	es down			
	Working Temp & Humidity	-10°C~+60°C	; 20%~90 %RI	Н							
Environment	Storage Temp & Humidity	-20°C~+85°C	; 10%~95 %RI	Н							
	Vibration	10-500Hz, 20	a 10min./1cycle	e, period for 6	0min, each ald	ong X, Y, Z ax	es				
0-1-1-	Withstand Voltage	I/P-O/P: 1.5K	VAC I/P-FG: 1.	5KVAC O/P-F	G: 0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG 100	OM /500VDC							
Standards	Safety Standard	Design refer t	esign refer to UL1950								
Stanuards	EMC Standard	Drsign refer to	FCC Part 15	J Conduction	Class A						
Othors	Weight	0.93Kg									
Others	Packing	12pcs/12Kg/0	.98CUFT								





Enclosed type switching power supplies

201W Single Output Switching Power Supply



GS-201T...

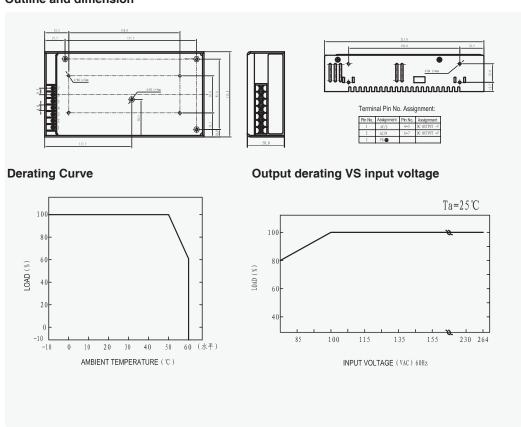
Feature

- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 25KHz
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 215*115*50mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

	GS -201T-5	GS -201T-7.5	GS -201T-12	GS -201T-13.5	GS -201T-24	GS -201T-27	GS -201T-48					
DC Voltage	5V	7.5V	12V	13.5V	24V	27V	48V					
Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%					
Rated Current	40A	26.5A	16.5A	14.7A	8.3A	7.4A	4.2A					
Current Range	0-40A	0-26.5A	0-16.5A	0-14.7A	0-8.3A	0-7.4A	0-4.2A					
Rated Power	200W	198.75W	198W	198.45W	199.2W	199.8W	201.6W					
Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p					
DC Voltage adi. Range	-10%, +12%	±20%	-16%, +10%	-12%, +11%	-16%, +10%	-4%, +18%	-15%, +17%					
Setup,Rise,Hold Time	200ms,100ms	,20ms at full loa	ad									
Voltage Range	90-132 VAC/1	80-264VAC47-6	33 Hz; selected	by switch 254-	370VDC							
AC Current	4.5A/115VAC2	2.5A/230VAC										
Efficiency	74%	74% 79% 80% 80% 83% 83% 84%										
Inrush Current	50A/115V 50A/230V											
### Title	'AC											
Overload	115%~135%											
Over Load	Protection type	e: shut down o/	p voltage, recov	ers automatical	ly after fault cor	ndition is remov	red					
Over Voltage	115%~135%											
Over voltage	Protection type	e: hiccup mode	recovers autom	natically after fa	ult condition is r	emoved						
Over Temperature	RTH3>=90°C,	shut down o/p	voltage, recove	rs automatically	after temperati	ure goes down						
Working Temp & Humidity	-10°C~+60°C;	20%~90 %RH										
Storage Temp & Humidity	-20°C~ +85°C	; 10%~95 %RH	l									
Vibration	10-500Hz, 2G	10min./1cycle,	period for 60mi	n, each along X	(, Y, Z axes							
Withstand Voltage	I/P-O/P: 1.5K\	/AC I/P-FG: 1.5	KVAC O/P-FG:	0.5KVAC								
Isolation Resistance	I/P-O/P, I/P-F0	G, O/P-FG 100N	Л /500VDC									
Safety Standard	Design refer to	Design refer to UL1950										
EMC Standard	Drsign refer to	FCC Part 15 J	Conduction Cla	ass A								
Weight	0.93Kg											
Packing	12ncs/12Kg/0	98CUFT										
	Voltage Tolerance Rated Current Current Range Rated Power Ripple & Noise DC Voltage adi. Range Setup,Rise,Hold Time Voltage Range AC Current Efficiency Inrush Current Leakage Current Over Load Over Voltage Over Temperature Working Temp & Humidity Storage Temp & Humidity Vibration Withstand Voltage Isolation Resistance Safety Standard Weight	-201T-5 DC Voltage 5V Voltage 5V Voltage Tolerance ±2% Rated Current 40A Current Range 0-40A Rated Power 200W Ripple & Noise 150mVp-p DC Voltage adi. Range -10%, +12% Setup,Rise,Hold Time 200ms,100ms Voltage Range 90-132 VAC/1: AC Current 4.5A/115VAC/2 Efficiency 74% Inrush Current 50A/115V 50A Leakage Current <3.5 mA/240V Protection typ 115%~135% Protection typ 115%~135% Protection typ 115%~135% Protection typ 115%~135% Protection typ 10°C~+60°C; Storage Temp & Humidity -20°C~ +85°C Vibration 10-500Hz, 2G Withstand Voltage I/P-O/P: 1.5KV Isolation Resistance I/P-O/P, I/P-FC Safety Standard Drsign refer to Weight 0.93Kg IVP-O/PS Interest IVP-O/P Interest Interest IVP-O/P Interest IVP-O/P Interest IVP-O/P Interest Interest IVP-O/P Interest Interest IVP-O/P Interest Interest Interest Interest IVP-O/P In	-201T-5 -201T-7.5 -201T-7.5 DC Voltage 5V 7.5V	-201T-5 -201T-7.5 -201T-12	DC Voltage	Count	Court Cour					





Enclosed type switching power supplies

240W Single Output Switching Power Supply



GS-240...

Feature

- · High efficiency, high reliability
- Auto switched 88-264VAC input
- Protection:
- Short circuit/ Over load /Over voltage
- Forced air cooling by built-in DC fan
- Built-in cooling Fan ON-OFF control
- Fixedswitching frequency at 75KHz
- 2 years warranty
- Dimensions: 190*93*65mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS- 240-5	GS- 240-7.5	GS- 240-12	GS- 240-15	GS- 240-24	GS- 240-30	GS- 240-48
	DC Voltage	5V	7.5V	12V	15V	24V	30V	48V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%
	Rated Current	40A	30A	18A	15A	10A	8A	5A
	Current Range	0-40A	0-30A	0-18A	0-15A	0-10A	0-8A	0-5A
Output	Rated Power	200W	225W	216W	225W	240W	240W	240W
	Ripple & Noise	150mVp-p	200mVp-p	150mVp-p	150mVp-p	180mVp-p	180mVp-p	240mVp-p
	DC Voltage adi. Range	-10%, ±16%	±20%	±17%	±20%	±17%	±10%	-15%, ±17%
	Setup,Rise,Hold Time	1s,20ms,20ms	at full load					
	Voltage Range	88~132 VAC/1	76~264VAC 47	~63 Hz; Auto sw	iched 248~370	VDC		
	AC Current	5A/115 V 2.5A	/ 230 V					
Input	Efficiency	78%	80%	82%	83%	84%	85%	87%
	Inrush Current	Cold start 18A	/115V 36A/230\	1				
	Leakage Current	<2mA/240VAC	;					
	Over Load	105%~135%						
	0101 2000		e: shut down o/p	voltage, recove	ers automatically	after fault con	dition is remove	d
Protection	Over Voltage	115%~135%						
	Over voitage	Protection type	e: hiccup mode,	recovers autom	atically after fau	Ilt condition is re	emoved	
	Fan Control	RT1 ≥ 40°C FA	NON, ≤35°C	FAN OFF, ≥7	0°C output shute	down		
	Working Temp., Humidity	-10°C~+60°C, 2	20%~90 %RH					
Environment	Storage Temp., Humidity	-20°C~+85°C,	10%~95 %RH					
	Vibration	10~500Hz, 2G	10min./1cycle,	period for 60mi	n,each along X,	Y, Z axes		
0-1-1-	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5KV	AC O/P-FG: 0.5	KVAC	,	,	
Safety	Isolation Resistance	I/P-O/P, I/P-FG	i, O/P-FG:100M	/500VDC				
Standards	Safety Standard	UL1950,TUVE	N60950(7.5V D	esign refer to U	L1950			
Standards	EMC Standard	EN55022,EN6	1000-3-2,-3,en6	31000-4-2,3,4,5	6,8,11;ENV502	04		
Others	Weight	1.2Kg						
Ouleis	Packing	12pcs/15.3Kgs	6/0.78CUFT					

Derating Curve Static Characteristics(24V)

GREEGOO

Switching mode power supply

Enclosed type switching power supplies

250W Single Output Switching Power Supply



GS-250...

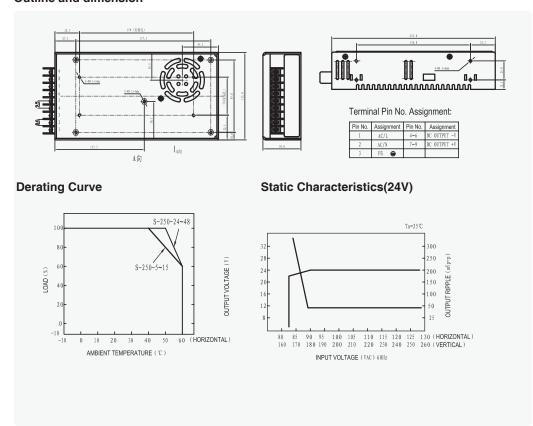
Feature

- High efficiency, high reliability
- Universal AC input / full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- 1 year warranty
- Dimensions: 215*115*50mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS -250-5	GS -250-7.5	GS -250-12	GS -250-13.5	GS -250-15	GS -250-24	GS -250-27	GS -250-48				
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V				
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%				
	Rated Current	40A	30A	20A	18.5A	16.6A	10A	9.3A	5.2A				
	Current Range	0-40A	0-30A	0-20A	0-18.5A	0-16.6A	0-10A	0-9.3A	0-5.2A				
Output	Rated Power	200W	225W	240W	250W	249W	240W	251W	250W				
	Ripple & Noise	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240 mVp-p				
	DC Voltage adi. Range	-10%, +12%	±20%	-16%, +10%	-12%, +11%	-10%, +20%	-16%, +10%	-4%, +18%	-15%, +17%				
	Setup,Rise,Hold Time	200ms,100m	s,20ms at full	load				l	I				
	Voltage Range	90~132 VAC	/180~264VAC	47~63 Hz;sel	ected by swite	h 254~370VD	C						
	AC Current	5.5A/115VA0	50A/230VAC	;									
Input	Efficiency	74%	76%	78%	79%	78%	82%	82%	83%				
	Inrush Current	Cold start 25	Cold start 25A/115V50A/230V										
	Leakage Current	<3.5 mA/240VAC											
	Over Load	105%~135%											
	Over Load	Protection ty	pe: hiccup mo	de,recovers a	utomatically a	fter fault condi	tion is remove	ed					
Protection	Over Veltere	115%~135%	1										
	Over Voltage	Protection ty	pe: hiccup mo	de,recovers a	utomatically a	fter fault condi	tion is remove	ed					
	Over Temperature	RTH3>=45°0	C, FAN ON <=	40°C FAN OF	F, >=85°C out	put shutdown							
	Working Temp & Humidity	-10°C~+50; 2	20%~90 %RH										
Environment	Storage Temp & Humidity	-20°C~+85°C	C; 10%~95 %F	RH									
LIMIOIIIIeiii	Vibration	10-500Hz, 20 each along X	,	cle, period for 6	60min,								
	Withstand Voltage	I/P-O/P: 1.5k	VAC I/P-FG:	1.5KVAC O/P-	FG: 0.5KVAC								
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG 10	00M /500VDC									
01. 1. 1.	Safety Standard	Design refer	to UL1950										
Standards	EMC Standard	Design refer	to EN55022,	EN55024, EN6	31000								
Othoro	Weight	1.15Kg											
Others	Packing	12pcs/13.8K	g/0.98CUFT										





Enclosed type switching power supplies

250W Single Output Switching Power Supply



GS-250T...

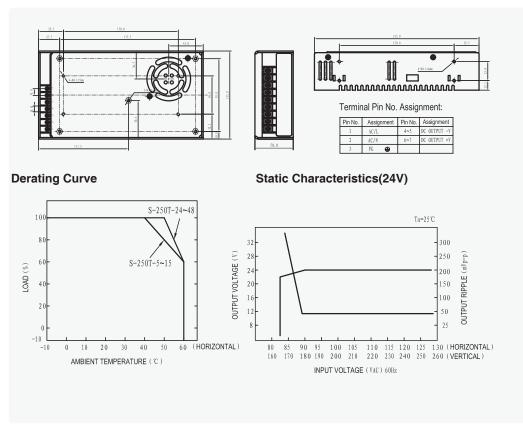
Feature

- High efficiency, high reliability,low cost
- Universal AC input / full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- 1 year warranty
- Dimensions: 215*115*50mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS- 250T-5	GS- 250T-7.5	GS- 250T-12	GS- 250T-13.5	GS- 250T-15	GS- 250T-24	GS- 250T-27	GS- 250T-48
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Rated Current	40A	30A	20A	18.5A	16.6A	10A	9.3A	5.2A
	Current Range	0-40A	0-30A	0-20A	0-18.5A	0-16.6A	0-10A	0-9.3A	0-5.2A
Output	Rated Power	200W	225W	240W	250W	249W	240W	251W	250W
	Ripple & Noise	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240 mVp-p
	DC Voltage adi. Range	-10% +12%	±20%	-16% +10%	-12% +11%	-10% +20%	-16% +10%	-4% +18%	-15% +17%
	Setup,Rise,Hold Time	200ms,50ms	s,20ms at full lo	oad					
	Voltage Range	90~132 VAC	/ 180~264VAC	47~63 Hz;se	lected by switch	254~370VDC	;		
	AC Current	5.5A/115VA	C 50A/230VAC						
Output -	Efficiency	74%	76%	78%	79%	78%	82%	82%	83%
	Inrush Current	25A/115V 50	DA/230V						
	Leakage Current	<3.5 mA/240	OVAC						
	Over Load	105%~135%							
	Over Load	Protection ty	pe: hiccup mo	de,recovers au	utomatically after	r fault condition	n is removed		
Protection	Over Voltage	115%~135%							
	Over voltage	Protection ty	pe: hiccup mo	de,recovers au	utomatically after	r fault condition	n is removed		
	Cooling Type	RTH3>=45°0	C FAN ON <=4	0°C FAN OFF	; >=85°C outpu	ıt shutdown			
	Working Temp & Humidity	-10°C~+50°C	C; 20%~90 %F	RH					
Environment	Storage Temp & Humidity	-20°C~+85°C	C; 10%~95 %F	RH					
	Vibration	10-500Hz, 2	G 10min./1cyc	le, period for 6	60min, each alor	ng X, Y, Z axe	3		
0-4-4-	Withstand Voltage	I/P-O/P: 1.5h	(VAC I/P-FG: 1	.5KVAC O/P-	FG: 0.5KVAC				
Salety	Isolation Resistance	I/P-O/P, I/P-I	G, O/P-FG 10	00M /500VDC					
Oterroleude	Safety Standard	Design refer	to UL1950						
Standards	EMC Standard Design refer to EN55022, EN55024, EN61000								
Weight 1.15Kg									
Others	Packing	12nce/13 8K	g/0.98CUFT						





Enclosed type switching power supplies

320W Single Output Switching Power Supply



GS-320...

Feature

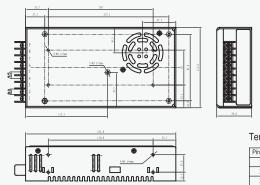
- · High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load /Over voltage
- Forced air cooling by built in DC fan
- Cooling Fan ON-OFF auto control
- Fixed switching frequency at 90KHz
- 2 years warranty
- Dimensions: 215*115*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GS- 320-5	GS- 320-7.5	GS- 320-12	GS- 240-13.5	GS- 320-15	GS- 320-24	GS- 320-27	GS- 320-48				
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V				
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%				
	Rated Current	50A	36A	25A	22A	20A	12.5A	11A	6.5A				
Output R R R C C C C R R R R S T T C R R R R R R R R R R R R R R R R R	Current Range	0-50A	0-36A	0-25A	0-22A	0-20A	0-12.5A	0-11A	0-6.5A				
Output	Rated Power	250W	270W	300W	297W	300W	300W	297W	312W				
	Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p				
	DC Voltage adi. Range	-10%, +14%	±20%	-16%, +10%	-12%, +11%	-10%, +20%	-16%, +10%	-4%, ±18%	-15%, ±17%				
Setup,Rise,Hold Time 2s,20ms,20ms at full load													
	Voltage Range	88~132 VAC/	132 VAC/176~264VAC 47~63 Hz; Auto swiched 248~370VDC										
	AC Current	6A/115 V 3.5	A/ 230 V										
Input	Efficiency	77%/	80%	82%	83%	84%	86%	86%	87%				
Input	Inrush Current	Cold start 20A/115V 40A/230V											
	Leakage Current <3.5mA/240VAC												
	Over Load	105%~135%											
	Over Load	Protection typ	Protection type: shut down o/p voltage, recovers automatically after fault condition is removed										
Drotootion	Q 1/ II	115%~135%											
FIOLECTION	Over Voltage	,,		e, recovers auto									
	Fan Control			C FAN OFF, ≥	• 1	,	,						
	Working Temp., Humidity	-10°C~+60°C,	20%~90 %RH						_				
Environment	Storage Temp., Humidity	-20°C~+85°C,	10%~95 %RH										
	Vibration	10~500Hz, 20	3 10min./1cycle	e, period for 60	min,each along	X, Y, Z axes							
	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5k	(VAC O/P-FG:	0.5KVAC								
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG:100	M /500VDC									
Standards	Safety Standard	Design refer t	esign refer to UL1950										
	EMC Standard	- U	Design refer to EN55022, EN55024, EN61000										
Others	Weight	1.08Kg				-							
	Packing	12pcs/13.8Kg	s/0.98CUFT										

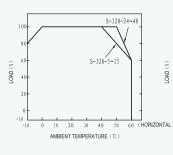
Outline and dimension



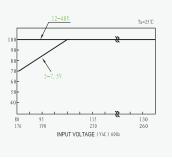
		nal Pin No		•
	Pin No.	Assignment		Assignment
ı	1	10.71	4-6	DC AUTDUT -V

7~9 DC OUTPUT +V

Derating Curve



Static Characteristics





Enclosed type switching power supplies

350W Single Output Switching Power Supply



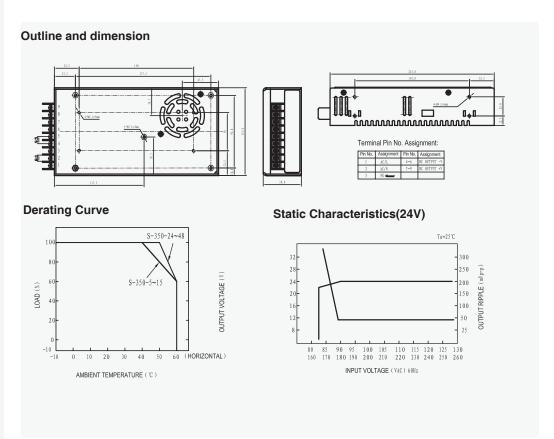
GS-350...

Feature

- Universal AC input / full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- PWM control and regulated
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- Fixed switching frequency at 25KHz
- 1 year warranty
- Dimensions: 215*115*50mm(L*W*H)

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS- 350-5	GS- 350-7.5	GS- 350-12	GS- 350-13.5	GS-3 50-15	GS- 350-24	GS- 350-27	GS- 350-48	
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V	
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	
	Rated Current	50A	40A	29A	25.8A	23.2A	14.6A	13A	7.3A	
0.44	Current Range	0-50A	0-40A	0-29A	0-25.8A	0-23.2A	0-14.6A	0-13A	0-7.3A	
Output	Rated Power	250W	300W	348W	348.3W	348W	350.4W	351W	350.4W	
	Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p	
	DC Voltage adi. Range	-10%, +12%	±20%	-16%, +10%	-12%, +11%	-10%, +20%	-16%, +10%	-4%, +18%	-15%, +17%	
	Setup,Rise,Hold Time	200ms,50ms	,20ms at full I	load						
	Voltage Range	90~132 VAC	/ 180~264VA0	C 47~63 Hz;se	lected by swit	ch 254~370V	'DC			
	AC Current	6.5A/115 V 4	5A/115 V 4A/ 230 V							
Input	Efficiency	73%	76%	74%	79%	78%	81%	82%	83%	
	Inrush Current	Cold start 50	A/115V50A/2	30V						
	Leakage Current	<3.5 mA/240	VAC							
	0 1 1	105%~135%	,							
	Over Load	Protection type: Fold back current limiting, recovers automatically after fault condition is removed								
		115%~135%								
Protection	Over Voltage	Protection ty	pe: hiccup mo	ode, recovers a	automatically a	after fault cond	dition is remov	red.		
	Fan ON/OFF Control	RT3 ≥65℃	FAN ON□≪	°C FAN OFF□≥ 55°C FAN OFF 60°C FAN OFF	_>80 ℃ o nt	put shutdown	(12~15V)			
	Working Temp & Humidity	-10°C~+50°C	; 20%~90 %R	RH						
Environment	Storage Temp & Humidity	-20°C~+85; 1	0%~95 %RH							
LIMIOIIIICIL	Vibration	10~500Hz, 2 each along >		cle, period for	60min,					
0-4-4-	Withstand Voltage	I/P-O/P: 1.5k	(VAC I/P-FG:	1.5KVAC O/P-	FG: 0.5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG 1	00M /500VDC						
Ctondoudo	Safety Standard	Design refer	esign refer to UL1950							
Standards	EMC Standard	Design refer	to EN55022,	EN55024, EN	61000					
Othoro	Weight	1.07Kg								
Others	Packing	12pcs/13.5K	g/0.98CUFT							





Enclosed type switching power supplies

30W Dual Output Switching Power Supply



GD-30G...

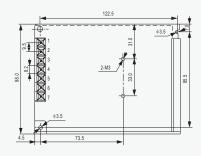
Feature

- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit/ Over load
- Cooling by free air convection
- LED indicator for power on
- Fixed switching frequency at 23KHz
- Output is isolated from the others
- 1 year warranty
- Dimensions: 129*98*38mm(L*W*H)

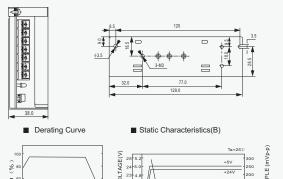
Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GD-30G								
wodei		CH1	CH2							
	DC Voltage	15V	15V							
	Voltage Tolerance	±1%	±1%							
	Rated Current	1A	1A							
	Current Range	0.1-1A	0.1-1A							
Output	Rated Power	30W								
	Ripple & Noise	100mVp-p								
	DC Voltage adi. Range	CH1: +10, -5%								
	Setup,Rise,Hold Time	00ms, 50ms, 30ms at full load								
	Voltage Range	85~132 VAC/176~264VAC selected by switch 47~63Hz; 120~370VDC								
	AC Current	0.8A/115 VAC 0.45A/230 VAC								
Input	Efficiency	74%								
	Inrush Current	Cold start 18A/115V 36A/230V								
	Leakage Current	<1mA/240VAC								
Protection	Over Load	105%~150%								
Fiolection	Over Load	Protection type: Shut down o/p voltage, recovers automaticallly after fault condition is removed								
	Working Temp., Humidity	-10°C~+60°C, 20%~90 %RH								
Environment	Storage Temp., Humidity	-20°C~+85°C, 10%~95 %RH								
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min,each ald	ong X, Y, Z axes							
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC								
Salety	Isolation Resistance	$\text{I/P-O/P, I/P-FG, O/P-FG:}100M\Omega/500VDC$								
Standards	Safety Standard	Design refer to UL1012								
Giailualus	EMC Standard	Design refer to FCC Part15 J Conduction Class A								
Others	Weight	0.41Kg								
Others	Packing	45pcs/17Kgs/1.22CUFT								







60 - 40 10	7 23-4.8 7 22-4.6 1 121-4.4 1 20-4.2 1 19-40		+24V +24V +5V
-10 0 10 20 30 40 50 0 45		60 85 90 95 100 105 120 170 180190 200 210	
AMBIENT TEMPERATU	JRE (℃)	INPUT VOLTAG	E(VAC) 60Hz



Enclosed type switching power supplies

30W Dual Output Switching Power Supply



GD-30A...

Feature

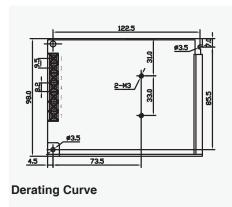
- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit / Over load
- LED indicator for powr on
- Fixed switching frequency at 23KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 129*98*38mm (L*W*H)

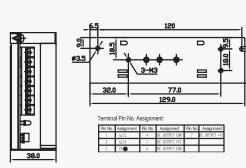
Notes:

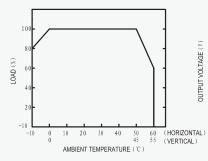
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GD-30A		GD-30B						
Model		CH1	CH2	CH1	CH2					
	DC Voltage	5V	12V	5V	24V					
	Voltage Tolerance	±2%	+37%	±2%	+35%					
	Rated Current	4A	1A	2.2A	1A					
Output	Current Range	0.5-4A	0.1-1A	0.5-4A	0.1-1A					
Output	Rated Power	32W		35W						
	Ripple & Noise	50mVp-p	100 mVp-p	50mVp-p	100 mVp-p					
	DC Voltage adi. Range	CH1:-5%,+10% CH1:-5%,+10%								
	Setup,Rise,Hold Time	200ms,50ms,30ms at full load								
	Voltage Range	85-132 VAC/ 170-264	VAC selected by switc	h, 240-370VDC;47-63 H	z					
	AC Current	0.8 A/115 V 0.45A/ 23	30 V							
Input	Efficiency	72%		74%						
	Inrush Current	Cold start 18A/115V	36A/230V							
	Leakage Current	<1mA/240VAC								
Protection	Over Load	105%~150%								
riolection	Over Load	Protection type: Shute	down o/p voltage, reco	vers automaticallyafter fa	ault condition is removed					
	Working Temp., Humidity	-10°C~+60°C; 20%~90) %RH		·					
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%~95	5 %RH	·						
	Vibration	10-500H, 2G 10min./	1cycl, period for 60 mir	n, each along X,Y, Z, axe	es					
Cofoty	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-	FG: 1.5KVAC O/P-FG	: 0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-I	FG: 100M /500VDC							
Standards	Safety Standard	Design refer to UL10	12							
Statituatus	EMC Standard	Design refer to FCC F	Part15 J Conduction C	lass A						
Others	Weight	0.41Kg								
Ollicia	Packing	45pcs/18.5Kg/1.22Cl	JFT							

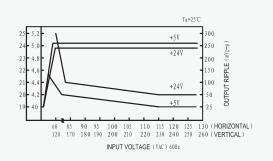
Outline and dimension







Static Characteristics(24V)





Enclosed type switching power supplies

50W Dual Output Switching Power Supply



GD-50...

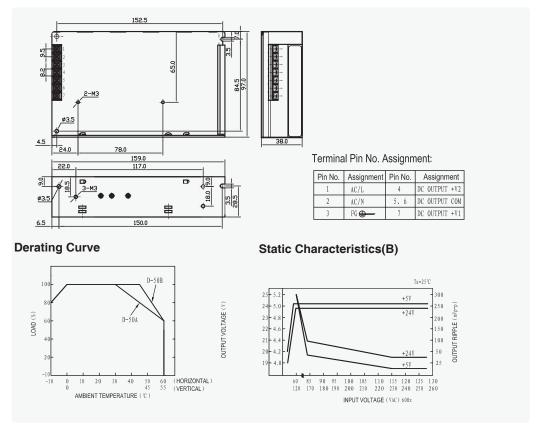
Feature

- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit / Over load
- LED indicator for powr on
- Fixed switching frequency at 23KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 129*98*38mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GD-50A		GD-50B							
Model		CH1	CH2	CH1	CH2						
	DC Voltage	5V	12V	5V	24V						
	Voltage Tolerance	±2%	+58%	±2%	±8%						
	Rated Current	6A	2A	6A	1A						
Output	Current Range	1-6A	0.3-2A	1-6A	0.2-1A						
Output	Rated Power	54W		54W							
	Ripple & Noise	50mVp-p	100 mVp-p	50mVp-p	100 mVp-p						
	DC Voltage adi. Range	CH1:-5%,+10%									
	Setup,Rise,Hold Time	200ms,50ms,20ms at full load									
	Voltage Range	85~132 VAC/170~264V	/AC selected by switch	240~370VDC; 47~63 H	Z						
	AC Current	1.3A/115 V 0.65A/ 230	V								
Input	Efficiency	73%		73%							
	Inrush Current	Cold start 18A/115V 36A/230V									
	Leakage Current	<0.5mA/240VAC									
Protection	Over Load	105%~150%									
Protection	Over Load	Protection type: Shutdown o/p voltage, recovers automatically after fault condition is removed									
	Working Temp., Humidity	-10°C~+60°C; 20%~90	%RH								
Environment	Storage Temp., Humidity	-20°C~+85°C; 10%~95	%RH								
	Vibration	10~500Hz, 2G 10min./	1cycl, period for 60 mir	n, each along X,Y, Z, axe	S						
Cofeh	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-F	G: 1.5KVAC O/P-FG: 0).5KVAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-F0	G: 100M /500VDC								
Standards	Safety Standard	Design refer to UL1012									
Siallualus	EMC Standard	Design refer to FCC Pa	rt 15 J Conduction								
Othoro	Weight	0.53Kg									
)thers –	Packing	30pcs/16Kg/0.86CUFT		<u> </u>							





Enclosed type switching power supplies

50W Isolated Dual Output Switching Power Supply



GID-50...

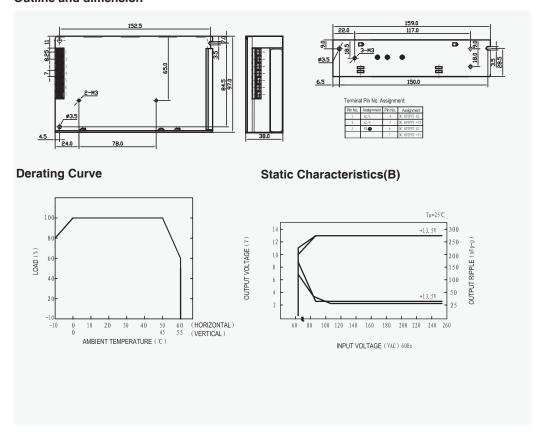
Feature

- High efficiency, high reliability, low cost
- Universal AC input / full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load / Over voltage
- Cooling by free air convection
- Fixed switching frequency at 50KHz
- 1 year warranty
- Dimensions: 159*97*38mm (L*W*H)
- Isolated ouput & GND for CH1, CH2

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

		GID-50A		GID-50B		GID-50C		GID-50D					
Model		CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2				
	DC Voltage	5V	5V	13.5V	13.5V	27V	27V	5V	13.5V				
	Voltage Tolerance	±1%	±2%	±1%	±2%	±1%	±2%	±1%	±2%				
	Rated Current	6A	2A	1.8	1.8A	0.9A	0.9A	5A	1.7A				
Output	Current Range	0.5-6A	0-2A	0.3-2A	0-2A	0.18-1A	0-1A	1-5A	0-2A				
Output	Rated Power	40W		48.6W		48.6W		48W	'				
	Ripple & Noise	50mVp-p	100mVp-p	100mVp-p	150mVp-p	100mVp-p	150mVp-p	50mVp-p	150mVp-p				
	DC Voltage adi. Range	-5%, +10%		+11%		+11%		-5%, +10%					
	Setup,Rise,Hold Time	1600ms,50	1600ms,50ms,100ms at full load										
	Voltage Range	85~264VAC 47~63 Hz, selected by 120~370VDC											
	AC Current	1A/115 V0.	6A/ 230 V										
<u> </u>	Efficiency	66%		70%		72%		68%					
	Inrush Current	Cold start 18A/115V 36A/230V											
	Leakage Current	<3.5 mA/240VAC											
	O and said	105%~150%											
Protection	Over Load	Protection type: hiccup mode, recovers automatically after fault condition is removed.											
riolection	O \/-!\	125%~150	%										
	Over Voltage	Protection t	ype: hiccup i	mode, recove	ers automatic	cally after fau	It condition	is removed					
	Working Temp & Humidity	-10°C~+60°	°C; 20%~90	%RH									
Environment	Storage Temp & Humidity	-20°C~+85	°C; 10%~95	%RH									
	Vibration	10~500Hz,	2G 10min./1	cycle, period	for 60min, e	ach along X	, Y, Z axes						
Cofet	Withstand Voltage	I/P-O/P: 1.5	KVAC I/P-F0	G: 1.5KVACC	/P-FG: 0.5K	VAC							
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-FG	: 100M /500\	/DC								
Standards	Safety Standard	Design refe	r to UL1012										
Sidiludius	EMC Standard	Design refe	r to FCC Pai	t15									
Others	Weight	0.54Kg											
	Packing	30pcs/16Kg	g/0.86CUFT										





Enclosed type switching power supplies

60W Dual Output Switching Power Supply



GD-60...

Feature

- High efficiency, high reliability
- Universal AC input /full range
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load /Over voltage
- LED indicator for power on
- Cooling by free air convection
- Fixed switching frequency at 54KHz
- 2 years warranty
- Dimensions: 159*97*38mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range.
 But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GD-60A		GD-60B					
Wodel		CH1	CH2	CH1	CH2				
	DC Voltage	5V	12V	5V	24V				
	Voltage Tolerance	±2%	±6%	±2%	±5%				
	Rated Current	4A	3A	3A	1.8A				
Output	Current Range	0.3-6A	0.2-4A	0.3-6A	0.2-2A				
Output	Rated Power	56W		58W					
	Ripple & Noise	75mVp-p	150mVp-p	75mVp-p	150mVp-p				
	DC Voltage adi. Range	CH1: -5%, +10%	CH1: -5%, +10%						
	Setup,Rise,Hold Time	300ms,50ms ,80ms/230VAC800ms,50ms, 10ms/115VAC at full load							
	Voltage Range	85~264 VAC/ 47~63 Hz, 120~370VDC							
	AC Current	2A/115 V1A/ 230 V							
Input	Efficiency	73%		76%					
	Inrush Current	Cold start 30A/115VAC	60A/230VAC						
	Leakage Current	<0.75mA/240VAC							
		105%~150%							
Protection	Over Load	Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed							
Fiolection	Over Veltore	115%~135%							
	Over Voltage	Protection type: hiccup mode, auto-recovery							
	Working Temp & Humidity	-10°C+60°C, 20%~90 %	%RH						
Environment	Storage Temp & Humidity	-20°C+85°C, 10%~95 %	%RH						
	Vibration	10~500Hz, 2G 10min./	1cycle, period for 60min,	each along X, Y, Z axes					
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG	: 1.5KVAC O/P-FG: 0.5K	VAC					
Salety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-F0	G: 100M /500VDC						
	Safety Standard	Design refer to UL1012	2 , UL60950 ,EN60950						
Standards	EMC Standard	Design refer to EN5502 EN55024	22(CLSPR22),EN61000-	3-2,-3, EN61000-4-2,3,4	4,5,6,8,11; ENV50204,				
Others	Weight	0.54Kg							
Outers	Packing	30pcs/16Kg/0.86CUFT	1						

Outline and dimension 152.5 159.0



Enclosed type switching power supplies

70W Dual Output Switching Power Supply



GD-70G...

Feature

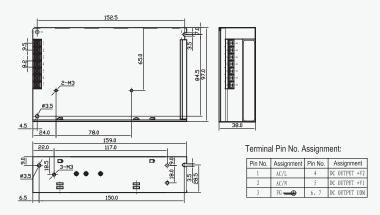
- High efficiency, high reliability
- Universal AC input /full range
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load /Over voltage
- LED indicator for power on
- Cooling by free air convection
- Fixed switching frequency at 54KHz
- 2 years warranty
- Dimensions: 159*97*38mm (L*W*H)
- Dual output high power density

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $\!\!\!\!\!^{\, \mathrm{c}}$ of ambient
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GD	-70G						
wodei		СН1	CH2						
	DC Voltage	15V	15V						
	Voltage Tolerance	±1%	±1%						
	Rated Current	2.5A	2.5A						
Output	Current Range	0.3-3A	0.2-3A						
Output	Rated Power	75W							
	Ripple & Noise	100mVp-p							
	DC Voltage adi. Range	CH1: -5%, +10%							
	Setup,Rise,Hold Time	800ms,50ms,10ms/115VAC300ms,50ms ,80ms/23	30VAC at full load						
	Voltage Range	85~264 VAC/ 47~63 Hz, 120~370VDC							
	AC Current	2A/115 V1A/ 230 V							
nput	Efficiency	75%							
	Inrush Current	Cold start 30A/115V 60A/230V							
	Leakage Current	<3.5mA/240VAC							
	Over Load	105%~150%							
Protection	Over Load	Protection type: hiccup mode, recovers automatically after fault condition is removed.							
Protection	O	115%~135%							
	Over Voltage	Protection type: hiccup mode, recovers automatically after fault condition is removed.							
	Working Temp & Humidity	-10°C~+50°C, 20%~90 %RH							
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH							
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, ea	ch along X, Y, Z axes						
Cofety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVA	С						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC							
	Safety Standard	Design refer to UL1012 , UL60950 ,EN60950							
Standards	EMC Standard	Design refer to EN55022(CLSPR22),EN61000-3-2 EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024	,-3,						
Others	Weight	0.54Kg							
Outers	Packing	30pcs/17Kg/0.86CUFT							

Outline and dimension



Derating Curve

Static Characteristics(B) OUTPUT VOLTAGE 60 (HORIZONTAL) 55 (VERTICAL) AMBIENT TEMPERATURE (*C*) INPUT VOLTAGE (VAC) 60Hz



Enclosed type switching power supplies

120W Dual Output Switching Power Supply



GD-120...

Feature

- High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load /Over voltage
- Cooling by free air convection
- Fixed switching frequency at 28KHz
- 2 years warranty
- Dimensions: 199*110*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GD-	120A	GD-	120B						
wodei		CH1	CH2	CH1	CH2						
	DC Voltage	5V	12V	5V	24V						
	Voltage Tolerance	±2%	±6%	±2%	±7%						
	Rated Current	12A	5A	6A	4A						
Output	Current Range	2-12A 0.5-5A		2-10A	0.4-4A						
Output	Rated Power	120W		126W							
	Ripple & Noise	60mVp-p	120mVp-p	60mVp-p	150mVp-p						
	DC Voltage adi. Range	CH1: -5%, +10%	CH1: -5%, +10%								
	Setup,Rise,Hold Time	200ms,50ms,20ms at full load									
	Voltage Range	88~132 VAC / 176~26	64VAC 47~63 Hz; selec	ted by switch 248~370\	/DC						
	AC Current	2.8A/115V 1.6A/ 230	2.8A/115V 1.6A/ 230 V								
Input	Efficiency	78%		80%							
	Inrush Current	Cold start 35A									
	Leakage Current	<3.5mA/240VAC	<3.5mA/240VAC								
	Over Load	105%~135%									
Protection	Over Load	Protection type: Shut down o/p voltage , re-power on to recover									
Protection	Over Voltone	115%~135%	115%~135%								
	Over Voltage	Protection type: Shut down o/p voltage, re-power on to recover									
	Working Temp & Humidity	-10°C~+60°C, 20%~9	0 %RH								
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~9	5 %RH								
	Vibration	10~500Hz, 2G 10min	./1cycle, period for 60m	nin, each along X, Y, Z a	xes						
0-1-1-	Withstand Voltage	I/P-O/P: 3KVAC I/P-F	G: 1.5KVAC O/P-FG:0.	5KVAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-F	FG: 100M /500VDC								
	Safety Standard	Design refer to UL101	2 , UL60950 ,EN60950)							
Standards	EMC Standard	"	022(CLSPR22),EN6100 8,11; ENV50204, EN55	, ,							
Others	Weight	0.82Kg									
Ouleis	Packing	14pcs/13Kg/0.95CUF	Т								

Outline and dimension Terminal Pin No. Assignment: Pin No. Assignment Pin No. Assignment AC/L DC OUTPUT +V2 DC OUTPUT COM FG 👄 7, 8 DC OUTPUT +V1 **Derating Curve** Static Characteristics(B) OUTPUT VOLTAGE (V) 250 200 100 60 55 AMBIENT TEMPERATURE (°C) INPUT VOLTAGE (VAC) 60Hz



Enclosed type switching power supplies

30W Triple Output Switching Power Supply



GT-30...

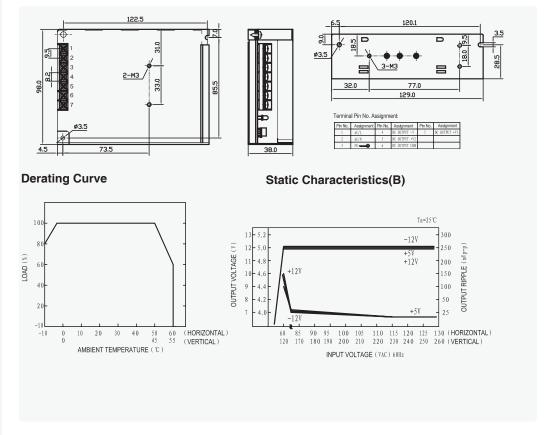
Feature

- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit/ Over load
- LED indicator for power on
- Cooling by free air convection
- Fixed switching frequency at 50KHz
- 1 year warranty
- Dimensions 129*98*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GT-30A			GT-30B							
wodei		CH1	CH2	CH3	CH1	CH2	CH3					
	DC Voltage	5V	12V	-5V	5V	12V	-5V					
	Voltage Tolerance	±1%	+2%,-6%	+2%,-10%	±2%	+2%,-6%	±6%					
	Rated Current	3A	1A	0.5	3A	1A	0.5					
Output	Current Range	0.5-3A	0.1-1A	0.1-0.5A	0.5-3A	0.1-1A	0.1-0.5A					
Output	Rated Power	30W		•	33W	'						
	Ripple & Noise	50mVp-p	100mVp-p	50mVp-p	50mVp-p	100mVp-p	50mVp-p					
	DC Voltage adi. Range	CH1: -5%, +10%										
	Setup,Rise,Hold Time	200ms,100ms,30ms at full load										
	Voltage Range	85~132 VAC/1	70~264VAC 47~6	33 Hz; selected b	y switch 40~370	OVDC						
	AC Current	0.8A/115 V0.45	5A/ 230 V									
Input	Efficiency	70%			72%							
	Inrush Current	Cold start 18A/115V36A/230V										
	Leakage Current	<0.75mA/240VAC										
Protection	Over Load	105%~150%										
Protection	Over Load	Protection type	: Fold back curre	nt limiting, recov	ers automatical	ly after fault con	dition is removed					
	Working Temp & Humidity	-10°C~+60°C;	20%~90 %RH									
Environment	Storage Temp & Humidity	-20°C~+85°C;	10%~95 %RH									
	Vibration	10-500Hz, 2G	10min./1cycle, pe	eriod for 60min, e	each along X, Y,	Z axes						
0-4-4-	Withstand Voltage	I/P-O/P:1.5KV/	AC I/P-FG:1.5KV	AC O/P-FG: 0.5k	VAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG	, O/P-FG:100M /	500VDC								
Standards	Safety Standard	Design refer to	UL 1012									
Sidiludius	EMC Standard	Design refer to	FCC Part15 J C	onduction Class	A							
Othoro	Weight	0.42Kg										
)thers –	Packing	30pcs/13.6Kg/	0.86CUFT									





Enclosed type switching power supplies

40W Triple Output Switching Power Supply



GT-40...

Feature

- High efficiency, high reliability
- Universal AC input / full range
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load /Over voltage
- Cooling by free air convection
- Fixed switching frequency at 40KHz
- 2 years warranty
- Dimensions: 129*98*38mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model			GT-40A			GT-40B		GT-40C					
model		CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3			
	DC Voltage	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V			
	Voltage Tolerance	±2%	±6%	±8%	±2%	±6%	±8%	±2%	±6%	±6%			
	Rated Current	3A	2A	0.5A	3A	2A	0.5A	3A	1.5A	0.5A			
Outout	Current Range	0.6-5A	0.2-3A	0.1-1A	0.6-5A	0.2-3A	0.1-1A	0.6-5A	0.2-3A	0.1-1A			
Output	Rated Power	41.5W	41.5W 45W 45W										
	Ripple & Noise	100mVp-p	100mVp-p	120mVp-p	100mVp-p	120mVp-p	120mVp-p	100mVp-p	120mVp-p	120mVp-p			
	DC Voltage adi. Range	CH1: -5%,	CH1: -5%, +10%										
	Setup,Rise,Hold Time	800ms,50n	800ms,50ms,60ms/230VAC1.6ms,50ms, 16ms/115VAC at full load										
	Voltage Range	85~264 VA	85~264 VAC / 47~63 Hz, 120~370VDC										
	AC Current	1.2A/115 V0.7A/ 230 V											
-	Efficiency	72%/115VA	AC .										
	Inrush Current	Cold start 2	Cold start 20A/115V40A/230V										
	Leakage Current	<3.5mA/24	0VAC										
		105%~150	105%~150% /115VAC										
Protection	Over Load	Protection type: Fold back current limiting, recovers automatically after fault ondition is removed											
1 1010011011	Over Voltage	5V:115%~135%											
	Over voltage	Protection	Protection tyoe: hiccup mode, recovers automatically after fault ondition is removed										
	Working Temp & Humidity	-10°C~+60	°C, 20%~90	%RH									
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH									
	Vibration	10~500Hz,	2G 10min./	1cycle, perio	d for 60min,	each along	X, Y, Z axes						
Safety	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG	: 1.5KVAC O	/P-FG: 0.5K	VAC							
Jaiety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-F0	G: 100M /500	VDC								
0	Safety Standard	0		0, (UL1950,	,	,							
Standards	EMC Standard			2(CLSPR22 ,11; ENV502									
Others	Weight	0.44Kg											
Outers	Packing	45pcs/18Kg	g/1.22CUFT										

Outline and dimension 122.5 120.1



Enclosed type switching power supplies

50W Triple Output Switching Power Supply



GT-50...

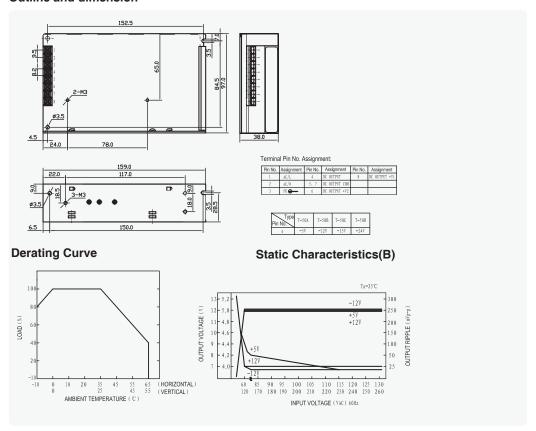
Feature

- High efficiency, high reliability, low cost
- AC input range selected by switch
- 100% full load burn-in test
- Protections: Short circuit/ Over load
- Cooling by free air convection
- Fixed switching frequency at 24KHz
- 1 year warranty
- Dimensions: 159*97*38mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 °C of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GT-50A	1		GT-50B			GT-50C			GT-50D			
wodei		CH1	CH2	СНЗ	CH1	CH2	СНЗ	CH1	CH2	СНЗ	CH1	CH2	СНЗ	
	DC Voltage	5V	12V	-5V	5V	12V	-5V	5V	12V	-5V	5V	12V	-5V	
	Voltage Tolerance	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±5%	±5%	
	Rated Current	7A	1A	1A	5A	1A	1A	4A	1A	1A	3A	1A	1A	
Output	Current Range	0.6-7A	0.2-1A	0.2-1A	0.6-5A	0.2-1A	0.2-1A	0.6-4A	0.2-1A	0.2-1A	0.6-4A	0.22A	0.2-1.2A	
Output	Rated Power	52W			49W			50W			51W			
	Ripple & Noise	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	
	DC Voltage adi. Range	CH1: -5%, +10%												
	Setup,Rise,Hold Time	200ms,	200ms,100ms,30ms at full load											
	Voltage Range	85~132	VAC/17	0~264VA	C 47~63	Hz; select	ted by sw	itch 40~3	70VDC					
	AC Current	0.8A/11	5 V0.45	A/ 230 V										
Input	Efficiency	66%			69%			71%			72%			
	Inrush Current	Cold start 20A/115V 40A/230V												
	Leakage Current	<0.5mA/240VAC												
Protection	Over Load	105%~150%												
Protection	Over Load	Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed.												
	Working Temp & Humidity	-10°C~	+60°C; 2	0%~90 %	SRH									
Environment	Storage Temp & Humidity	-20°C~	+85°C; 1	0%~95 %	RH									
	Vibration	10~500	Hz, 2G 1	0min./1	cycle, per	iod for 60	min, each	along X	Y, Z axes	3				
0-1-1	Withstand Voltage	I/P-O/P	: 1.5KVA	C I/P-FG	: 1.5KVA0	O/P-FG	: 0.5KVA0)						
Safety	Isolation Resistance	I/P-O/P	I/P-FG,	O/P-FG:	100M /50	00VDC								
Standards	Safety Standard	Design	refer to l	JL1012										
Othoro	Weight	0.54Kg												
Others	Packing	30pcs/1	7Kg/0.8	6CUFT									·	





Enclosed type switching power supplies

60W Triple Output Switching Power Supply



GT-60...

Feature

- High efficiency, high reliability
- Universal AC input /full range
- Protection:
- Short circuit/ Over load /Over voltage
- Cooling by free air convection
- LED indicator for power on
- Fixed switching frequency at 50KHz
- 2 years warranty
- Dimensions: 159*97*38mm (L*W*H)

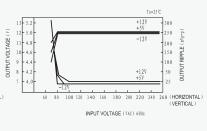
Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model			GT-60A			GT-60B		GT-60C					
Model		CH1	CH2	СНЗ	CH1	CH2	СНЗ	CH1	CH2	CH3			
	DC Voltage	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V			
	Voltage Tolerance	±2%	±6%	±6%	±2%	±6%	±6%	±2%	±6%	±6%			
	Rated Current	5A	2.5A	0.5A	5A	2.5A	0.5A	5A	2.5A	0.5A			
Output	Current Range	0.5-7A 0.2-3.5A 0.1-1A			0.5-7A	0.2-3.5A	0.1-1A	0.5-7A	0.2-3.5A	0.1-1A			
Output	Rated Power	57.5W			61W			62.5W					
	Ripple & Noise	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p			
	DC Voltage adi.Range	CH1: -5%,	CH1: -5%, +10%										
	Setup,Rise,Hold Time	300ms,50n	300ms,50ms,10ms/230VAC 800ms, 50ms,10ms/115VAC at full load										
	Voltage Range	85~264 VA	35~264 VAC 47-63Hz, 120~370VDC										
	AC Current	2A/115V 1/	V 230 V										
Input	Efficiency	72%											
	Inrush Current	Cold start 3	30A/115V60	A/230V									
	Leakage Current	<3.5mA/24	<3.5mA/240VAC										
	0 1 1	105%~150%											
D. d. E.	Over Load	Protection type: Shut down o/p voltage, recovers automaticallyafter fault condition is removed											
Protection		5V: 115%~	135%										
	Over Voltage	Protectiont	type: Hiccup	mode, reco	vers automa	tically after	fault condition	n is removed	k				
	Working Temp & Humidity	-10°C~+60	°C, 20%~90	%RH									
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH									
	Vibration	10~500Hz,	2G 10min./	1cycle, perio	d for 60min,	each along	X, Y, Z axes						
Cofety	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG	: 1.5KVAC O	/P-FG: 0.5K	VAC							
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-F0	G: 100M /500	VDC								
Ctondordo	Safety Standard	Design refe	er to UL1012	,UL60950, T	UVEN60950)							
Standards	EMC Standard	Design refe	er to EN5502	2,EN61000-	3-2,-3, EN6	1000-4-2,3,4	,5,6,8,11; EI	NV50204, EI	N55024				
Others	Weight	0.55Kg											
	Packing	30pcs/17Kg	g/0.86CUFT										

Outline and dimension 152.5 152.0 78.0 159.0 170.0 1

100880 101-5.2 121-5.0 121-5





Enclosed type switching power supplies

100W Triple Output Switching Power Supply



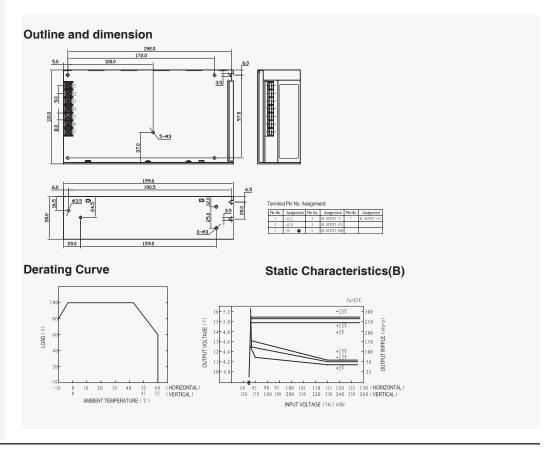
GT-100...

Feature

- High efficiency, high reliability
- Universal AC input /full range
- 100% full load burn-in test
- Protection:
- Short circuit/ Over load
- Cooling by free air convection
- 2 years warranty
- Dimensions: 199*110*50mm (L*W*H)
- Triple output high precision voltage

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model			GT-100C		GT-100D							
		CH1	CH2	СНЗ	CH1	CH2	CH3					
	DC Voltage	5V	12V	-15V	5V	12V	24V					
	Voltage Tolerance	±2%	±6%	±6%	±2%	±6%	±6%					
	Rated Current	10A	2.5A	1A	6A	2A	2A					
0.1.1	Current Range	2-12A	0.2-2.5A	0.1-1A	2-12A	0.1-2A	0.2-2A					
Output	Rated Power	100W			102W							
	Ripple & Noise	80mVp-p	150mVp-p	150mVp-p	80mVp-p	150mVp-p	150mVp-p					
	DC Voltage adi.Range	CH1: -5%, +10%										
	Setup,Rise,Hold Time	200ms,500ms,16ms										
	Voltage Range	85~132 VAC/170~264VAC 47~63 Hz, selected by switch 240~370VDC										
	AC Current	2.5A/115V1.25A/ 230V										
Input	Efficiency	77%			79%							
	Inrush Current	Cold start 30A/115V60A/230V										
	Leakage Current	<0.5mA/240VAC										
Protection	Over Load	105%~150%										
Protection	Over Load	Protection type: Shut down o/p voltage, re-power on to recover										
	Working Temp & Humidity	-10°C~+50°C, 20%~90 %RH										
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH										
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes										
Safety	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC										
Salety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 500VDC/100M										
01. 1. 1.	Safety Standard	Design refer to UL1012										
Standards	EMC Standard	Design refer to FCC PART15 J CONDUCTION CLASS B										
Others	Weight	0.83Kg										
	Packing	14pcs/13Kg/0.95CUFT										





Enclosed type switching power supplies

60W Quad Output Switching Power Supply



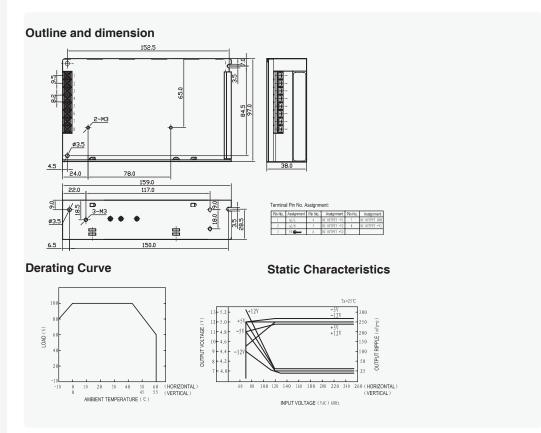
GQ-60...

Feature

- High efficiency, high reliability
- Universal AC input /full range
- Protections:
- Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- LED indicator for power on
- Fixede switching frequency at 35KHz
- 2 years warranty
- Dimensions: 159*97*38mm (L*W*H)

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GQ-60B				GQ-60C				GQ-60D				
wouei	MOUGI		CH2	CH3	CH4	CH1	CH2	СНЗ	СНЗ	CH1	CH2	СНЗ	СНЗ	
	DC Voltage	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V	
	Voltage Tolerance	±2%	±6%	±5%	±5%	±2%	+8 -4 %	±5%	±5%	±2%	±6%	+8 -4 %	±5%	
	Rated Current	5.5A	2A	0.5A	0.5A	5.5A	1.5A	0.5A	0.5A	4A	1A	1A	0.5A	
Output	Current Range	0.5-8A	0.1-3A	0.1-1A	0.1-1A	0.5-8A	0.1-3A	0.1-1A	0.1-1A	0.5-8A	0.1-3A	0.1-1A	0.1-1A	
Output	Rated Power	57.5W				61W				62.5W				
	Ripple & Noise	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	
	DC Voltage adi.Range	CH1: -5%, +10%												
	Setup,Rise,Hold Time	1600ms,20ms,12ms/115VAC800ms,20ms, 60ms/230VAC at full load												
	Voltage Range	85~264 VAC 47~63Hz, 120~370VDC												
	AC Current	2A/115V 0.8A/ 230 V												
Input	Efficiency	70% 72% 7								75%				
	Inrush Current	Cold start 18A/115V36A/230V												
	Leakage Current	<1 mA/240VAC												
	Over Load	105%~150% /115VAC												
D. J. P.		Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed												
Protection	Over Voltage	5V: 115%~135%												
		Protection type: Hiccup mode, recovers automatically after fault condition is removed												
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH												
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH												
	Vibration	10~500	Hz, 2G 10	min./1cy	cle, perio	d for 60m	in, each a	along X, \	/, Z axes					
Cofety	Withstand Voltage	I/P-O/P:	3KVAC I	/P-FG: 1.	5KVAC O	/P-FG: 0.	5KVAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC												
01. 1. 1.	Safety Standard	Design	refer to U	L60950										
Standards	EMC Standard	Design refer to EN55022,EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11; ENV50204												
Otherina	Weight	0.56Kg												
Others	Packing	30pcs/1	7Kg/0.86	CUFT										





Enclosed type switching power supplies

120W Quad Output Switching Power Supply



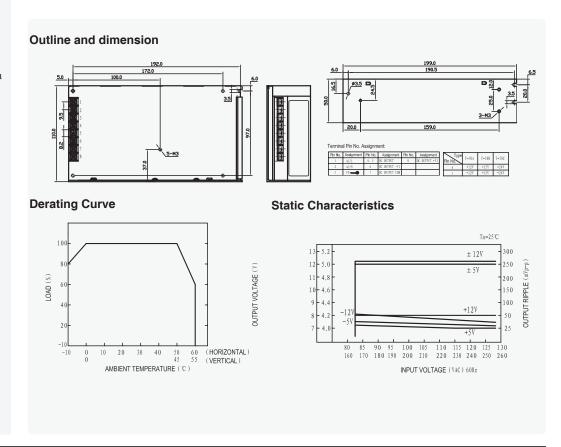
GQ-120...

Feature

- High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protections:
- Short circuit/ Over load/ Over voltage
- Fixed switching frequency at 25KHz
- 2 years warranty
- Dimensions: 199*110*50mm (L*W*H)

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GQ-120B				GQ-120C				GQ-120D				
		CH1	CH2	СНЗ	CH4	CH1	CH2	СНЗ	СНЗ	CH1	CH2	СНЗ	СНЗ	
	DC Voltage	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V	
	Voltage Tolerance	±2%	±6%	±6%	±6%	±2%	+10 -5%	±6%	+10 -5%	±2%	±6%	±6%	±6%	
	Rated Current	11A	4A	1A	1A	10A	3.5A	1A	1A	8A	2A	2A	1A	
Outrot	Current Range	2-12A	0.5-5A	0.2-1A	0.2-1A	2-12A	0.5-5A	0.2-1A	0.2-1A	2-12A	0.5-5A	0.2-1A	0.2-1A	
Output	Rated Power	120W				122.5W				124W				
	Ripple & Noise	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV	80mV	120mV	
	DC Voltage adi.Range	CH1: -5%, +10%												
	Setup,Rise,Hold Time	200ms, 50ms, 20ms at full load												
	Voltage Range	88~132VAC/176~264 VAC 47-63Hz; selected by switch 240~370VDC												
	AC Current	2.8A/115V 1.6A/ 230 V												
Input	Efficiency	77%				76%				78%				
	Inrush Current	Cold start 35A												
	Leakage Current	<3.5mA/240VAC												
	Over Load	105%~135%												
Protection	Over Load	Protection type: Shut down o/p voltage, re-power on to recover												
Protection	Over Veltage	CH1:115%~135%												
	Over Voltage	Protection	Protection type: Shut down o/p voltage, re-power on to recover											
	Working Temp & Humidity	-10°C~+	60°C, 20°	%~90 %R	Н									
Environment	Storage Temp & Humidity	-20°C~+	85°C, 109	%~95 %R	Н									
	Vibration	10~500H	Hz, 2G 10	min./1cyc	le, period	for 60mir	n, each ale	ong X, Y, Z	Z axes					
Cofety	Withstand Voltage	I/P-O/P:	3KVAC I/	P-FG: 1.5	KVAC O/I	P-FG: 0.5	KVAC							
Safety	Isolation Resistance	VP-O/P, VP-FG, O/P-FG: 100M /500VDC												
Standards	Safety Standard	Design i	efer to 19	50,TUV E	N60950									
Standards	EMC Standard	Design reefer to EN55022(CISPR22),EN61000-3-2,-3, EN55024,EN61000-4-2,3,4,5,6,8,11; ENV50204												
Othoro	Weight	0.86Kg												
Others	Packing	14pcs/1	3Kg/0.950	CUFT										





Enclosed type switching power supplies

180W Quad Output Switching Power Supply



GQ-180...

Feature

- High efficiency, high reliability
 Universal AC input/ full range
- 100% full load burn-in test
- Protections:
- Short circuit/ Over load
- Cooling by free air convection
- 1 years warranty
- Dimensions: 150*140*86mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $\!\!\!\!\!^{\,\circ}\!\!\!\!\!^{\,\circ}$ of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GQ-180									
Model		CH1	CH2	СНЗ	CH4						
	DC Voltage	5V	12V	24V	-12V						
	Voltage Tolerance	±2%	±6%	±5%	±8%						
	Rated Current	8A	2A	4A	1A						
Output	Current Range	1-10A	0.2-2A	0.5-5A	0.1-1A						
Output	Rated Power	172W									
	Ripple & Noise	80mVp-p	150mVp-p	200mVp-p	180mVp-p						
	DC Voltage adi.Range	CH1: -5%, +10%									
	Setup,Rise,Hold Time	200ms, 50ms, 20ms at full load									
	Voltage Range	88~132VAC/176~264 VAC 47-63Hz; selected by switch 248~370VDC									
	AC Current	4A/115 V 2A/ 230 V									
Input	Efficiency	80%									
	Inrush Current	Cold start 30A/115V 60A/230V									
	Leakage Current	<0.5mA/240VAC									
	Over Load	105%-135%									
Protection		Protection type: Shut down o/p voltage, re-power on to recover									
	Working Temp & Humidity	-10°C~+50°C, 20%~90 %RH									
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH									
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes									
0.4.	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC									
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC									
Standards	Safety Standard	Design refer to 1950,TUV EN60950									
	EMC Standard	Design reefer to EN55022(CISPR22),EN61000-3-2,-3, EN55024,EN61000-4-2,3,4,5,6,8,11; ENV50204									
Otherma	Weight	1.28Kg									
Others	Packing	8pcs/11.24Kg/0.95CUFT									

Outline and dimension 0000000 **Derating Curve Static Characteristics** OUTPUT VOLTAGE (V) 60 85 90 95 100 105 110 115 120 125 120 170 180 190 200 210 220 230 240 250 INPUT VOLTAGE (YAC) 60Hz AMBIENT TEMPERATURE (\uppi)



Enclosed type switching power supplies

75W Single Output With PFC Function



GSP-75...

Features:

- Universal AC input/Full range
- Built-in active PFC function, PF>0.93
- 100% full load burn-in test
- Protections: Short circuit/Over load/Over voltage
- Built-in constant current limit ing circuit
- LED indicator for power on
- Fixed switching frequency at PFC: 67KHz,PWM:134KHz
- 3 years warranty
- Dimension: 179*99*33mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range.
 But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-75 -3.3	GSP-75 -5	GSP-75 -7.5	GSP-75 -12	GSP-75 -13.5	GSP-75 -15	GSP-75 -24	GSP-75 -27	GSP-75 -48		
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V		
	Voltage Tolerance	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%		
	Rated Current	15A	15A	10A	6.3A	5.6A	5A	3.2A	2.8A	1.6A		
Output	Current Range	0-15A	0-15A	0-10A	0-6.3A	0-5.6A	0-5A	0-3.2A	0-2.8A	0-1.6A		
Output	Rated Power	49.5W	75W	75W	75.6W	75.6W	75W	76.8W	75.6W	76.8W		
	Ripple & Noise	80mVp-p						100mVp-p				
	DC Voltage adi.Range	-5%,+10%	%,+10%									
	Setup,Rise,Hold Time	600ms,60m	00ms,60ms,20ms at full load									
	Voltage Range	85~264 VA	5~264 VAC,47-63Hz;120~370VDC									
	Power Factor	PF>0.93/23	F>0.93/230VAC, PF>0.96/115VAC at full load									
Innut	AC Current	1.3A/115 V	3A/115 VAC 0.7A/230VAC									
Input	Efficiency	68%	72%	74%	77%	78%	79%	80%	80%	80%		
	Inrush Current	Cold start 4	0A/230VAC									
	Leakage Current	<2mA/240V	/AC									
	0	105%-150%										
D:	Over Load	Protection t	ype: Constar	nt current lim	iting, recover	s automatica	lly after fault	conditionis re	onditionis removed			
Protection		115%~1359	%									
	Over Voltage	Protection t	ype: Shut do	wn o/p volta	ge, re-power	on to recove	r					
Function	Remote Control	CN3:4 ~ 10	VDC POWE	R OFF , <0 ~	0.8VDC PO	WER ON						
	Working Temp & Humidity	-10°C+60°C	C;20%~90 %	RH								
Environment	Storage Temp & Humidity	-20°C+85°0	C; 10%~95 %	6RH								
	Vibration	10~500Hz,	2G 10min./1	cycle, period	for 60min, e	ach along X,	Y, Z axes					
	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG:	1.5KVAC O/	P-FG: 0.5KV/	AC						
Safety	Isolation Resistance	I/P-O/P, I/P-	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC									
	Safety Standard	Design refe	r to UL1950,	TUV EN609	50							
Standards	EMC Standard	EN55022,E	N61000-3-2,	-3,EN61000	-4-2,3,4,5,6,8	3,11;ENV502	04,EN55024					
	Weight	0.58Kg										
Others	Packing	20pcs/12.0Kg/0.64CUFT										

Outline and dimension Terminal Pin No. Assignment Pin No. Pin



Enclosed type switching power supplies

100W Single Output With PFC Function



GSP-100...

Features:

- Universal AC input/ full range
- Built-in active PFC function, PF>0.93
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Built-in constant current limit ing circuit
- LED indicator for power on
- Remote ON-OFF control (Optional)
- Fixed switching frequency at PFC: 67KHz PWM: 134KHz
- 3 years warranty
- Dimensions: 179*99*45mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-100 -3.3	GSP-100 -5	GSP-100 -7.5	GSP-100 -12	GSP-100 -13.5	GSP-100 -15	GSP-100 -24	GSP-100 -27	GSP-100 -48
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	Voltage Tolerance	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%
	Rated Current	20A	20A	13.5A	8.5A	7.5A	6.7A	4.2A	3.8A	2.1A
Output	Current Range	0-20A	0-20A	0-13.5A	0-8.5A	0-7.5A	0-6.7A	0-4.2A	0-3.8A	0-2.1A
Output	Rated Power	66W	100W	101.25W	102W	101.25W	100.5W	100.8W	102.6W	100.8W
	Ripple & Noise	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	250mVp-p
	DC Voltage adi.Range	-5%,+10%	%,+10%							
	Setup,Rise,Hold Time	600ms,30m	00ms,30ms,20ms at full lod							
	Voltage Range	85~264 VA	5~264 VAC47-63Hz;120-370VDC							
	Power Factor	PF>0.93/23	0VAC, PF>0	.98/115VAC						
Innut	AC Current	1.7A/115 V	AC 0.8A/230\	VAC						
Input	Efficiency	70%	76%	78%	80%	80%	82%	84%	83%	82%
	Inrush Current	Cold start 4	0A/230VAC							
	Leakage Current	<2mA/240V	'AC							
	0 11	105%~1509	%							
	Over Load	Protection t	ype: Constar	nt current lim	iting, recover	s automatica	lly after fault	condition is r	emoved	
Protection		115%~1359	%							
	Over Voltage	Protection t	ype: Shut do	wn o/p voltaç	ge, re-power	on to recover				
Function	Remote Control	CN1:4 ~ 10	VDC POWE	R ON, <0 ~ 0	.8VDC POW	ER OFF				
	Working Temp & Humidity	-10°C+60°0	C;20%~90 %	RH						
Environment	Storage Temp & Humidity	-20°C+85°0	C; 10%~95 %	6RH						
	Vibration	10~500Hz,2	2G 10min./1c	cycle, period	for 60min, ea	ıch along X, \	/, Z axes			
	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG:	1.5KVAC O/I	P-FG: 0.5KV/	AC .				
Safety	Isolation Resistance	I/P-O/P, I/P-	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC							
	Safety Standard	Design refer to UL1950,TUV EN60950								
Standards	EMC Standard	_			4-2,3,4,5,6,8	,11;ENV502	04,EN55024			
	Weight	0.6Kg	. ,	·			·			
Others	Packing	20pcs/12.0Kg/1.17CUFT								
				•						



Enclosed type switching power supplies

150W Single Output With PFC Function



GSP-150...

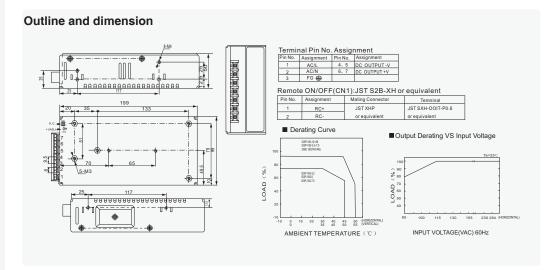
Features:

- Universal AC input/ full range
- Built-in active PFC function, PF>0.93
- 100% full load burn-in test
- Protections: Short circuit/ Over load / Over voltage/ Over tem perature
- Built- in constant current limiting circuit
- · LED indicator for power on
- Remote ON-OFF control (Optional)
- Fixed switching frequency at PF: 67KHz PWM: 134KHz
- 3 years warranty
- Dimensions:199*99*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range.
 But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-150 -3.3	GSP-150 -5	GSP-150 -7.5	GSP-150 -12	GSP-150 -13.5	GSP-150 -15	GSP-150 -24	GSP-150 -27	GSP-150 -48
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
-	Voltage Tolerance	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%
-	Rated Current	30A	30A	20A	12.5A	11.2A	10A	6.3A	5.6A	3.2A
Outnut	Current Range	0-30A	0-30A	0-20A	0-12.5A	0-11.2A	0-10A	0-6.3A	0-5.6A	0-3.2A
Output -	Rated Power	99W	150W	150W	150W	151.2W	150W	150W	151.2W	153.6W
	Ripple & Noise	100mVp-p						100mVp-p		250mVp-p
	DC Voltage adi.Range	-5%,+10%								
	Setup,Rise,Hold Time	600ms,30m	s,20ms at fu	II load						
	Voltage Range	85~264 VA	C,47-63Hz;12	20~370VDC						
	Power Factor	PF>0.93/23	F>0.93/230VAC, PF>0.98/115VAC at full load							
Innut	AC Current	2.5A/115 V	AC 1.2A/230	VAC						
Input	Efficiency	67%	75%	79%	80%	80%	81%	83%	84%	84%
	Inrush Current	Cold start 4	0A/230VAC							
	Leakage Current	<2mA/240V	'AC							
	Over Load	105%~1509	%							,
	Over Load	Protection type: Constant current limiting, recovers automatically after fault condition is recover								
Protection	O 1/clic	115%~1359	%							
	Over Voltage	Protection t	ype: Shut do	wn o/p, re-po	wer on to re	cover				
-	Over Temperature	TSW1(Pow	er transistor)	When temp.i	n 95±5°C, sł	nutdown o/p	voltage temp.	.<95±5°C,O/	lauto-recove	ry.
Function	Remote Control	CN1:4 ~ 10	VDC POWE	R ON, <0 ~ 0	0.8VDC POW	ER OFF				
	Working Temp & Humidity	-10°C+60°0	C;20%~90 %	RH						
Environment	Storage Temp & Humidity	-20°C+85°0	C; 10%~95 %	6RH						
-	Vibration	10~500Hz,2	2G 10min./1d	cycle, period	for 60min, ea	ch along X,	Y, Z axes			
	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG:	1.5KVAC O/I	P-FG: 0.5KV/	AC				
Safety	Isolation Resistance	I/P-O/P, I/P-	P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC							
	Safety Standard	Design refer to UL1950,TUV EN60950								
Standards	EMC Standard	Design refe	r to EN55022	2,EN61000-3	-2,-3,EN610	00-4-2,3,4,5,	6,8,11;ENV5	0204,EN550	24	
	Weight	0.75Kg								
Others	Packing	20pcs/15Kg/1.28CUFT								





Enclosed type switching power supplies

200W Single Output With PFC Function



GSP-200 ...

Features:

- Universal AC input/ full range
- 100% full load burn-in test
- Built-in active PFC function, PF>0.93
- Protection tye: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in constant current limiting circuit
- LED indicator for power on
- Remote ON-OFF control (Optional)
- Fixed switching frequency at PFC:
- 67KHz PWM at: 134KHz
- Built-in fan speed control
- 3 years warranty
- Dimensions: 199*99*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-200 -3.3	GSP-200 -5	GSP-200 -7.5	GSP-200 -12	GSP-200 -13.5	GSP-200 -15	GSP-200 -24	GSP-200 -27	GSP-200 -48			
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V			
	Voltage Tolerance	±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%			
	Rated Current	40A	40A	26.7A	16.7A	14.9A	13.4A	8.4A	7.5A	4.2A			
Output	Current Range	0-40A	0-40A	0-26.7A	0-16.7A	0-14.9A	0-13.4A	0-8.4A	0-7.5A	0-4.2A			
Output	Rated Power	132W	200W	200.2W	200.4W	201.1W	201W	201.6W	202.5W	201.6W			
	Ripple & Noise	100mVp-p						150mVp-p		250mVp-p			
	DC Voltage adi.Range	C Voltage adi.Range -5%,+10%											
	Setup,Rise,Hold Time	600ms,30m	s,20ms at fu	II load									
	Voltage Range	85~264 VA	C 47-63Hz;12	20~370VDC									
	Power Factor	PF>0.93/2	PF>0.93/230VAC, PF>0.98/115VAC at full load										
Innut	AC Current	3.5A/115 V	5A/115 VAC 1.7A/230VAC										
Input	Efficiency	65%	71%	76%	79%	80%	81%	83%	83%	84%			
I	Inrush Current	Cold start 4	Cold start 40A/230VAC										
	Leakage Current	<2mA/240V	'AC										
	Over Load	105%~150%											
	Over Load	Protection type: Constant current limiting, recovers automatically after fault condition is removed											
Protection	0 1/:11:	115%~135%											
	Over Voltage	Protection t	ype: Shut do	wn o/p voltaç	je, re-power	on to recover							
	Over Temperature	TSW1(powe	er transistor)	When temp.	n 95±5°C, sl	nut down o/p	voltage, tem	p.<95±5°C ,	O/lauto-reco	ery.			
Function	Remote Control	CN1:4 ~ 10	VDC POWE	R ON, <0 ~ 0	.8VDC POW	ER OFF							
	Working Temp & Humidity	-10°C+60°0	C;20%~90 %	RH									
Environment	Storage Temp & Humidity	-20℃+85℃	C; 10%~95 %	6RH									
	Vibration	10~500Hz,	2G 10min./1	cycle, period	for 60min, e	ach along X,	Y, Z axes						
	Withstand Voltage	I/P-O/P: 3K	VAC I/P-FG:	1.5KVAC O/I	P-FG: 0.5KV	AC .							
Safety	Isolation Resistance	I/P-O/P, I/P-	/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC										
	Safety Standard	Design refe	r to UL1950,	TUV EN6095	50								
Standards	EMC Standard	Designrefer	to EN55022	,EN61000-3-	2,-3,EN6100	0-4-2,3,4,5,6	5,8,11;ENV50		24				
	Weight	0.8Kg											
Others Packing 20pcs/16Kg/1.28CUFT													

Terminal Pin No. Assignment | Pin No. Assignment |



Enclosed type switching power supplies

300W Single Output With PFC Function



GSP-300...

Features:

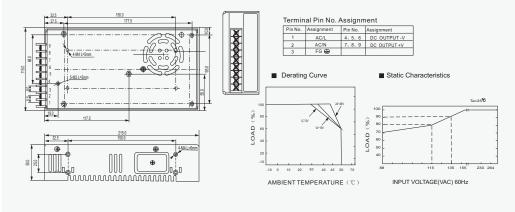
- Unversal AC input/ full range
- Built-in active PFC function, PF>0.95
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Forced air cooling by built-in DC fan
- Built-in fan speed control
- Fixed switching frequency at 100KHz
- 3 years warranty
- Dimensions: 215*115*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-300 -5	GSP-300 -7.5	GSP-300 -12	GSP-300 -13.5	GSP-300 -15	GSP-300 -24	GSP-300 -27	GSP-300 -48
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Rated Current	50A	34A	24A	21A	19A	12.5A	11A	6.25A
0.44	Current Range	0-50A	0-34A	0-24A	0-21A	0-19A	0-12.5A	0-11A	0-6.25A
Output	Rated Power	250W	255W	288W	285W	285W	300W	297W	300W
	Ripple & Noise	150mVp-p						200mVp-p	240mVp-p
	DC Voltage adi.Range	4.5-5.7V	6-9V	10-13.2V	12-15V	13.5-18V	20-26.4V	26-32V	41-56V
	Setup,Rise,Hold Time	800ms,50ms	,16ms/230VA	C 2500ms,50n	ns,16ms/115V	AC at full load			
	Voltage Range	88~264VAC	~264VAC 120~370VDC frequency: 47~63 Hz						
	Power Factor	PF>0.95/230	VAC, PF>0.98						
Innut	AC Current	4A/115 VAC	2A/230VAC						
Input	Efficiency	75%	80%	83%	83%	83%	85%	86%	85%
	Inrush Current	18A/115VAC	36A/230VAC						
	Leakage Current	<2 mA/240V	AC						
	Over Load	105%~135% Protection type: 105%~135% constant current >135%, shut down o/p voltage, recovers automatically after fau condition is removed 115%~135%							
Protection	Over Voltage	5.75-6.75	9.4-10.9	13.8-16.2	15.5-18.2	18-21	27.6-32.4	33.7-39.2	57.6-67.2
	o ron ronago			1	e-power on to		27.10 02.1	00 00.12	07.10 07.12
	Over Temperature		r transistor)Wh				down o/p volta	ge, Temp.<65±	5°C (55°C±5
	Working Temp & Humidity	-20℃+65℃	;20%~90 %RF	1					
Environment	Storage Temp & Humidity	-40°C+85°C	; 10%~95 %RI	Н					
	Vibration	10 500Hz 20	10min./1cycl	e, period for 6	0min, each alc	ng X, Y, Z axe	s		
	Withstand Voltage	I/P-O/P: 3KV	AC I/P-FG: 1.5	KVAC O/P-F0	G: 0.5KVAC				
Safety	Isolation Resistance	I/P-O/P, I/P-F	G, O/P-FG: 10						
0	Safety Standard	Design refer	to UL60950,T	UV EN60950					
Standards	EMC Standard	Design refer	to EN55022,E	N61000-3-2,-	3,EN61000-4-2	2,3,4,5,6,8,11;	ENV50204,EN	155024	1
	Weight	1.1Kg							
Others	Packing	12pcs/14.0K	g/0.98CUFT						
			-						

Outline and dimension





GREEGOO

Switching mode power supply

Enclosed type switching power supplies

320W Single Output With PFC Function



GSP-320...

Features:

- Universal AC input/ full range
- Built-in active PFC function, PF>0.95
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Forced air cooling by built-in DC fan
- Built-in fan speed control
- Fixed switching frequency at 100KHz
- 3 years warranty
- Dimensions: 215*115*50mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-320 -5	GSP-320 -7.5	GSP-320 -12	GSP-320 -13.5	GSP-320 -15	GSP-320 -24	GSP-320 -27	GSP-320 -48			
	DC Voltage	5V	7.5V	12V	13.5V	15V	24V	27V	48V			
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%	±1%			
	Rated Current	55A	40A	25A	22A	20A	13A	11.7A	6.7A			
Output	Current Range	0-55A	0-40A	0-25A	0-22A	0-20A	0-13A	0-11.7A	0-6.7A			
Output	Rated Power	275W	300W	300W	297W	300W	312W	315.9W	321.6W			
	Ripple & Noise	150mVp-p						200mVp-p	240mVp-p			
	DC Voltage adi.Range	±10%	±20%	-16%,+10%	±11%	-10%,+20%	16%,+10%	-4%,+18%	-15%,+17%			
	Setup,Rise,Hold Time	800ms,50ms	,16ms/230VA	C 2500ms,50m	s,16ms/115\	AC at full load						
	Voltage Range	88~264VAC	selected by 4	7-63 Hz;120~37	70VDC							
	Power Factor	PF>0.95/230	VAC, PF>0.9									
land.	AC Current	5A/115 VAC	2.5A/230VAC	;								
Input	Efficiency	79%	83%	86%	86%	86%	87%	88%	89%			
	Inrush Current	22A/115VAC	22A/115VAC 40A/230VAC									
	Leakage Current	<1 mA/240V/	1 mA/240VAC									
	Overload	105%~135%										
	Over Load	Protection ty	pe: Fold back	current limiting	, recovers au	tomatically after	r fault condition	n is removed				
		115%~135%										
Protection	Over Voltage	5.75-6.75	9.4-10.9	13.8-16.2	15.5-18.2	18-21	27.6-32.4	33.7-39.2	-48 48V ±1% 6.7A 0-6.7A 321.6W p 240mVp-p '-15%,+17% 89%			
		Protection ty	pe: Shut dow	n o/p voltage, re	-power on to	recover		-				
	Over Temperature	TSW1(Power	,	hen temp. in 80)±5℃ (70℃	±5°C 5V), shut	downo/p volta	ige, temp. <80:	±5 (70°C±5°C			
	Working Temp & Humidity	-10°C+50°C		————— Н								
Environment	Storage Temp & Humidity	-20°C+85°C	; 10%~95 %F	RH								
	Vibration	10~500Hz,20	G 10min./1cy	cle, period for 60	Omin, each a	long X, Y, Z axe	s					
	Withstand Voltage	I/P-O/P: 3KV	AC I/P-FG: 1.	5KVAC O/P-FG	: 0.5KVAC							
Safety	Isolation Resistance	I/P-O/P, I/P-F	P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC									
	Safety Standard	Design refer	to UL60950,7	TUV EN60950								
Standards	EMC Standard	Design refer to UL60950,TUV EN60950 Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024										
	Weight	1.1Kg			,	,-, .,-,-,-,-,-,-						
Others	Packing	12pcs/14.0Kg	n/0 98CLIFT									
	i doning	12pc3/14.0N	g/0.00001 I									

Outline and dimension Terminal Pin No. Assignment Pin No. Assignment Pin No. Assignment 1 Act. 4. 5. 6. Dc OutPUT-V 2 ACM 7. 8. 9 Dc OutPUT-V 3 FG 7. 8. 9 Dc OutPUT-V 3 FG 7. 8. 9 Dc OutPUT-V New York of the Control of the



Enclosed type switching power supplies

500W Single Output With PFC Function



GSP-500...

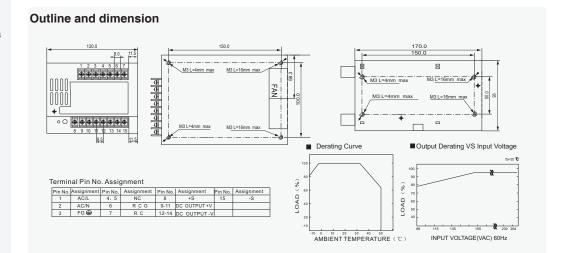
Features:

- High efficiency, high reliability
- Universal AC input/ full range
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Forced air cooling by built in DC fan
- Built-in cooling Fan ON-OFF control
- Fixed switching frequency at 110KHz
- Built-in active PFC function, remote ON-OFF control, remote sense function
- 3 years warranty
- Dimensions: 170*120*93mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-500 -12	GSP-500 -13.5	GSP-500 -15	GSP-500 -24	GSP-500 -27	GSP-500 -48		
	DC Voltage	12V	13.5V	15V	24V	27V	48V		
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	40A	36A	32A	20A	18A	10A		
Output	Current Range	0-40A	0-36A	0-32A	0-20A	0-18A	0-10A		
Output	Rated Power	480W	486W	480W	480W	486W	480W		
	Ripple & Noise	240mVp-p 200mVp-p 300m							
	DC Voltage adi.Range	-16%,+10%	-12%,+15%	-10%,+20%	-165,+10%	-12%,+11%	-15%,+16%		
	Setup,Rise,Hold Time	1.5s,50ms,20ms a	at full load						
	Voltage Range	88~264 VAC 47~6	3 Hz;124~370VDC	;					
	Power Factor	PF>0.95/230VAC	>0.95/230VAC PF>0.95/115VAC at full load						
lanut	AC Current	7A/115 V 3.5A/ 23	80 V						
Input	Efficiency	84%	84%	83%	85.5%	86.5%	87%		
	Inrush Current	18A/115V 36A/23	0V						
	Leakage Current	<3.5mA/240VAC							
	Owner Land	105%~135%							
	Over Load	Protection type: Fo	old back current lim	niting, recovers auto	matically after fault	condition isremove	ed.		
Protection	0 1/1	115%~135%							
	Over Voltage	Protection type: hi	ccup mode, recove	ers automatically aft	ter fault condition is	removed.			
	FAN Control O.T.P	RTH1 OR RTH2≤	50°C FAN ON, 45°	°C FAN OFF, ≥70°C	output shutdown				
	Working Temp & Humidity	-10°C+50°C;20%	~90 %RH						
Environment	Storage Temp & Humidity	-20°C+85°C; 10%	~95 %RH						
	Vibration	10~500Hz, 2G 10	min./1cycle, period	for 60min, each ale	ong X, Y, Z axes				
	Withstand Voltage	I/P-O/P: 3KVAC I/	P-FG: 1.5KVAC O/I	P-FG: 0.5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC						
	Safety Standard	Design refer to UL	.1950,TUV EN6095	50					
Standards	EMC Standard	Design refer to EN55022, EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204							
	Weight	1.9Kg			-				
Others	Packing	8pcs/15.2kg/1.060	CUFT						





GREEGOO

Switching mode power supply

Enclosed type switching power supplies

500W Single Output With PFC Function



GSP-501...

Features:

- · High efficiency, high reliability
- Universal AC input/ full range
- Built-in active PFC function, PF>0.93/230VAC
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- Forced air cooling by built-in DC fan
- 3 years warranty
- Dimensions: 268*127*50mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-501 -5	GSP-501 -12	GSP-501 -13.5	GSP-501 -15	GSP-501 -24	GSP-501 -27	GSP-501 -48				
	DC Voltage	5V	12V	13.5V	15V	24V	27V	48V				
	Voltage Tolerance	±2%	±1.5%	±1.5%	±1.5%	±1%	±1%	±1%				
	Rated Current	85A	42A	37A	34A	21A	18.4A	11A				
Output	Current Range	0-85A	0-42A	0-37A	0-34A	0-21A	0-18.4A	0-11A				
Output	Rated Power	425W	504W	499.5W	510W	504W	499.5W	528W				
	Ripple & Noise	120mVp-p	120mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	250mVp-p				
	DC Voltage adi.Range	±10%	±10%	±10%	±10%	±10%	±10%	±10%				
	Setup,Rise,Hold Time	1000ms,80ms,	0ms,80ms,20ms at full load									
	Voltage Range	90~264VAC (~264VAC (5V:85~264VAC) 47~63 Hz,selected by switch 120~370VDC									
	Power Factor	PF>0.93/230V	>0.93/230VAC									
lanut	AC Current	7A/115 VAC 3.	5A/230VAC									
Input	Efficiency	78%	84%	84%	84%	85%	85%	86%				
	Inrush Current	Cold start 40A	Cold start 40A /230VAC									
	Leakage Current	<1.5mA/ 264V	AC/60Hz									
	0	110%~130%										
	Over Load	Protection type: Constant current limiting, recovers automatically after fault condition is removed										
Duotostion	Over Veltere	110%~130%										
Protection	Over Voltage	Protection type	: Shut down o/p	voltage, re-pow	er on to recover							
		When TSW1≥	30°C, TSW2≥90)°C								
	Over Temperature	Protection type	e: Shut down o/p	voltage, recove	rs automatically	after temperatu	re goes down					
	Working Temp & Humidity	-10°C+50°C;2	0%~90 %RH									
Environment	Storage Temp & Humidity	-20°C+85°C; 1	0%~95 %RH									
	Vibration	10~500Hz, 2G	10min./1cycle,	period for 60min	, X, Y, Z axes							
	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5KV	AC O/P-FG: 0.5	(VAC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC										
	Safety Standard	UL60950-1, Ef	N60950-1									
Standards	EMC Standard	Design refer to	EN55022,EN6	1000-3-2,-3,EN6	1000-4-2,3,4,5,6	6,8,11;ENV5020	4 EN61000-6-2					
	Weight	1.7Kg										
Others	Packing	6pcs/11.3g/0.6	7CUFT		,							



Enclosed type switching power supplies

750W Single Output With PFC Function



GSP-750...

Features:

- Uniersal AC input/ full range
- Built-in active PFC function, PF>0.96
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in constant current limiting circuit
- 100% full load burn-in load
- Built-in remote ON-OFF control and remote sense function
- With power good and fail signal output
- Forced air cooling by built-in DC fan
- 3 years warranty
- Dimensions: 278*127*63.5mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GSP-750-5	GSP-750-12	GSP-750-15	GSP-750-24	GSP-750-27	GSP-750-48		
	DC Voltage	5V	12V	15V	24V	27V	48V		
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	120A	62.5A	50A	31.3A	27.8A	15.7A		
Outnut	Current Range	0-120A	0-62.5A	0-50A	0-31.3A	0-27.8A	0-15.7A		
Output	Rated Power	600W	750W	750W	751.2W	750.6W	753.6W		
	Ripple & Noise	120mVp-p							
	DC Voltage adi.Range	4.75-5.5V	10-13.5V	13.5-16.5V	22-26.4V	24-30V	43-56V		
	Setup,Rise,Hold Time	600ms,50ms,16m	s/230VAC 600m	ns,50ms,16ms/115\	/AC at full load				
	Voltage Range	90~264VAC 47-63	B Hz, selected by s	witch 127~370VDC					
	Power Factor	PF>0.96/230VAC	>0.96/230VAC PF>0.99/115VAC at full load						
lancet	AC Current	8.8A/115 VAC 4.2	A/230VAC						
Input	Efficiency	81%	86%	87%	89%	89%	90%		
	Inrush Current	27A/115VAC 45A	230VAC						
	Leakage Current	<2mA/240VAC							
	Over Load	105%~125% Protection type: C	onstant current lim	iting, hiccup mode a	after 3s, recovers a	utomatically after fa	ult condition is		
Protection		115%~135%							
	Over Voltage	Protection type: S	hut down o/p voltaç	ge, re-power on to r	ecover				
	Over Temperature	TSW1(Power tran	sistor)When Temp.	in 85±5°C, shut do	wn o/p voltage, Ten	np.<85±5°C auto-re	ecovery		
	Working Temp & Humidity	-20°C+60°C;20%	~90 %RH						
Environment	Storage Temp & Humidity	-40°C+85°C; 10%	~95 %RH						
	Vibration	10~500Hz, 2G 10	min./1 cycle, period	for 60min, X, Y, Z a	ixes				
0.11	Withstand Voltage	I/P-O/P: 3KVAC I/	P-FG: 1.5KVAC O/I	P-FG: 0.5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O	/P-FG: 100M Ohm:	s / 500VDC					
	Safety Standard	Design refer to UL60950-1,TUV EN60950-1							
Standards	EMC Standard	Design refer to EN55011,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024,EN61000-6-2,EN61204-3							
Other	Weight	2.9Kg							
Others	Packing	6pcs/18.4g/0.98C	UFT						

ACInput Terminal Pin No. Assignment: | Pin No. | Assignment | Pin No. | Pin No.



Parallel series switching power supplies

600W Single Output with Parallel Function (HGCN-600)



HGCN-600...

Feature

- High efficiency, high reliability
- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in ON-OFF control and remote sense function
- With parallel function
- Can adjust from 20%~100% output voltage by external control 1-5V
- Focred air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*68mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCN-600-05	HGCN-600-12	HGCN-600-15	HGCN-600-18	HGCN-600-24	HGCN-600-48			
	DC Voltage	5V	12V	15V	18V	24V	48V			
	Voltage Tolerance	±1.5%	±1%	±1%	±1%	±1%	±1%			
	Rated Current	100A	50A	40A	33A	25A	12A			
Output	Current Range	0-100A	0-50A	0-15A	0-18A	0-24A	0-48A			
Output	Rated Power	500W	600W	600W	600W	600W	600W			
	Ripple & Noise	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	480mVp-p			
	DC Voltage adi.Range	Can adjust from	20%~100% output	voltage by externa	al control 1-5V		,			
	Setup,Rise,Hold Time	800ms, 50ms, 16	00ms, 50ms, 16ms at full load							
	Voltage Range	90~130VAC/180	0~130VAC/180~260 VAC 47-63Hz; selected by switch 260~370VDC							
	AC Current	11A/115 V 7.0/	V 230 V							
Input	Efficiency	77%	80%	81%	82%	85%	87%			
	Inrush Current	60A/230V								
	Leakage Current	3.5 mA/240VAC								
		101%~115%			110%~135%					
Protection	Over Load	Protection type:	Current limiting, de	elay shut down o/p	voltage, re-power	on to recover				
	Working Temp & Humidity	-10°C~+65°C, 20	%~90 %RH							
Environment	Storage Temp & Humidity	-20°C~+85°C, 10	%~95 %RH							
	Vibration	10~200Hz, 2G 1	Omin./1cycle, perio	od for 60min, each	along X, Y, Z axes					
	Withstand Voltage	I/P-O/P, I/P-FG:1	500VAC			-				
Safety	Isolation Resistance	I/P-O/P, I/P-FG,	100M Ohms / 500\	/DC						
	Safety Standard	Design refer to UL1950,CSA22.2,IEC60950								
Standards	EMC Standard	Design refer to FCC Part 15 Class A								
	Weight	2.3Kg								
Others	Packing	8pcs/24.0kg/CAF	RTON			,				

Outline and dimension 291.0



Parallel series switching power supplies

800W Single Output with Parallel Function (HGCN-800)



HGCN-800...

Feature

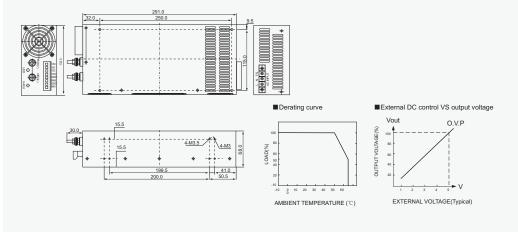
- High reliability, low ripple
- AC input range selected by switch
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*68mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCN-800-12	HGCN-800-15	HGCN-800-24	HGCN-800-48				
	DC Voltage	12V	15V	24V	48V				
	Voltage Tolerance	±1%	±1%	±1%	±1%				
	Rated Current	66A	54A	33A	16.6A				
0.44	Current Range	0-66A	0-54A	0-33A	16.6A				
Output	Rated Power	800W	800W 800W		800W				
	Ripple & Noise	150mVp-p	150mVp-p 150mVp-p 240mVp-p 48						
	DC Voltage adi.Range	Can adjust from 20%	~100% output voltage b	y external control 1-5V					
	Setup,Rise,Hold Time	800ms, 50ms, 16ms at full load							
	Voltage Range	90~130VAC/180~260 VAC 47-63Hz; selected by switch 260~370VDC							
	AC Current	11A/115 V 7.0A/ 2	30 V						
nput	Efficiency	80%	81%	85%	87%				
	Inrush Current	60A/230V							
	Leakage Current	3.5 mA/240VAC	3.5 mA/240VAC						
		110%~135%	110%~135%						
Protection	Over Load	Protection type: Curr	ent limiting, delay shut d	own o/p voltage, re-pow	er on to recover				
	Working Temp & Humidity	-10°C~+65°C, 20%~	90 %RH						
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~	95 %RH						
	Vibration	10~200Hz, 2G 10mii	n./1cycle, period for 60m	in, each along X, Y, Z ax	es				
0.1.1	Withstand Voltage	I/P-O/P, I/P-FG:1500	VAC						
Safety	Isolation Resistance	I/P-O/P, I/P-FG, 1001	M Ohms / 500VDC						
01- 1- 1-	Safety Standard	Design refer to UL1950,CSA22.2,IEC60950							
Standards	EMC Standard	Design refer to FCC Part 15 Class A							
0.11	Weight	2.3Kg							
Others	Packing	8pcs/24.0kg/CARTO	8pcs/24.0kg/CARTON						

Outline and dimension





Parallel series switching power supplies

1200W Single Output with Parallel Function (HGCN-1200)



HGCN-1200...

Feature

- High reliability, low ripple
- AC input range selected by switch
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*68mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCN-1K2-5	HGCN-1K2-12	HGCN-1K2-15	HGCN-1K2-24	HGCN-1K2-48				
	DC Voltage	5V	12V	15V	24V	48V				
	Voltage Tolerance	±2.5%	±1%	±1%	±1%	±1%				
	Rated Current	180A	100A	80A	50A	24A				
Output	Current Range	0-180A	0-100A	0-80A	0-50A	0-24A				
Output	Rated Power	900W	00W 1200W 1200W 1200W							
	Ripple & Noise	100mVp-p	120mVp-p	150mVp-p	240mVp-p	480mVp-p				
	DC Voltage adi.Range	Can adjust from 20%	n adjust from 20%~100% output voltage by external control 1-5V							
	Setup,Rise,Hold Time	800ms, 50ms, 16ms	0ms, 50ms, 16ms at full load							
	Voltage Range	90~130VAC/180~260	0~130VAC/180~260 VAC 47-63Hz; selected by switch 260~370VDC							
	AC Current	11A/115 V 7.0A/ 23	0 V							
· -	Efficiency	77%	83%	85%	85%	87%				
	Inrush Current	120A/230V								
	Leakage Current	3.5 mA/240VAC								
		110%~135%								
Protection	Over Load	Protection type: Curre	ent limiting, delay shut	down o/p voltage, re-po	ower on to recover					
	Working Temp & Humidity	-10°C~+65°C, 20%~9	0 %RH							
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~9	5 %RH							
	Vibration	10~200Hz, 2G 10min	./1cycle, period for 60r	nin, each along X, Y, Z	axes					
0.11	Withstand Voltage	I/P-O/P, I/P-FG:1500\	/AC							
Safety	Isolation Resistance	I/P-O/P, I/P-FG, 100N	1 Ohms / 500VDC							
01. 1. 1.	Safety Standard	Design refer to UL195	Design refer to UL1950,CSA22.2,IEC60950							
Standards	EMC Standard	Design refer to FCC Part 15 Class A								
0.1	Weight	4.5Kg								
Others	Packing	4pcs/20kg/CARTON								

Terminal pin No. assignment | Pin No. Assignment |



Parallel series switching power supplies

1500W Single Output with Parallel Function (HGCN-1500)



HGCN-1500...

Feature

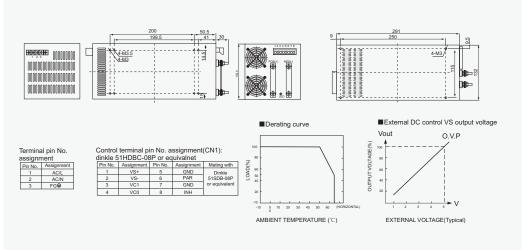
- High reliability, low ripple
- AC input voltage AC200~260V
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*132mm [L*W*H]

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCN-1K5-12	HGCN-1K5-15	HGCN-1K5-24	HGCN-1K5-48
	DC Voltage	12V	15V	24V	48V
	Voltage Tolerance	±1%	±1%	±1%	±1%
	Rated Current	125A	100A	62.5A	32A
Output	Current Range	0-125A	0-100A	0-62.5A	32A
Output	Rated Power	1500SW	1500W	1500W	1536W
	Ripple & Noise	120mVp-p	150mVp-p	240mVp-p	480mVp-p
	DC Voltage adi.Range	Can adjust from 20%	~100% output voltage b	y external control 1-5V	
	Setup,Rise,Hold Time	800ms, 50ms, 16ms	at full load		
	Voltage Range	200~260VAC 290~3	70 VDC; 47-63Hz		
	AC Current	12A/230 VAC			
Input	Efficiency	83%	84%	85%	87%
	Inrush Current	120A/230V			
	Leakage Current	3.5 mA/240VAC			
		110%~135%			
Protection	Over Load	Protection type: Shut	down o/p voltage, re-po	wer on to recover	
		TSW1 Power transis	tor temp.>100, shut do	wn o/p voltage, re-power	on to recover
	Working Temp & Humidity	-10°C~+65°C, 20%~	90 %RH		
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~	95 %RH		
	Vibration	10~200Hz, 2G 10mir	n./1 cycle, period for 60m	in, each along X, Y, Z axe	es
	Withstand Voltage	I/P-O/P, I/P-FG:1500	VAC		
Safety	Isolation Resistance	I/P-O/P, I/P-FG, >100	0M Ohms / 500VDC		
	Safety Standard	Design refer to UL19	50,CSA22.2,IEC60950		
Standards	EMC Standard	Design refer to FCC	Part 15 Class A		
	Weight	4.5Kg;			
Others	Packing	4pcs/20kg/CARTON			
	Special Function	DC voltage adj., Ren instructionmanual)	note sensing, remote co	ntrol, parallel operation (r	efer to terminal

Outline and dimension





Parallel series switching power supplies

500W SMPS with PFC and Parallel Function (HPGP-500)



HPGP-500...

Feature

- High efficiency, high reliability
- Universal AC input/ full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Forced air cooling by built-in DC fan
- Current sharing up to 2000W(3+1)
- With power good and fail signal output
- Built-in remote ON-OFF control and remote sense function
- 3 years warranty
- Dimensions: 278*127*63.5mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HPGP-500 -5	HPGP-500- 12	HPGP-500- 13.5	HPGP-500- 15	HPGP-500- 24	HPGP-500- 27	HPGP-500- 48		
	DC Voltage	5V	12V	13.5V	15V	24V	27V	48V		
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	80A	41.5A	37A	33A	20.8A	18.5A	10.5A		
Output	Current Range	0-80A	0-41.5A	0-37A	0-33A	0-20.8A	0-18.5A	0-10.5A		
Output	Rated Power	400W	498W	499.5W	495W	499.2W	499.5W	504W		
	Ripple & Noise	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p		
	DC Voltage adi.Range	-5%,+10%	-17%,+10%	±11%	-10%,+20%	-17%,+20%	±11%	-15%,+17%		
	Setup,Rise,Hold Time	1500ms,50ms	### ### ##############################							
	Voltage Range	90~264 VAC 4	10ms,50ms,15ms at full load 264 VAC 47-63Hz;127~370VDC 5/230VAC 0.98/100VAC at full load 115 VAC 3.5A/230VAC 6 82% 82% 82% 84% 84% 84% 86% d start 20A/115VAC 40A/230VAC nA/240VAC 1%~125% tection type: Constant current limiting, recovers automatically after fault condition is removed							
	Power Factor	0.95/230VAC	150mVp-p							
Innut	AC Current	7A/115 VAC 3	0A 41.5A 37A 33A 20.8A 18.5A 10.5A -80A 0-41.5A 0-37A 0-33A 0-20.8A 0-18.5A 0-10.5A 00W 498W 499.5W 495W 499.2W 499.5W 504W 00mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp 3%,+10% -17%,+10% ±11% -10%,+20% -17%,+20% ±11% -15%,+1 500ms,50ms,15ms at full load 0~264 VAC 47-63Hz;127~370VDC .95/230VAC 0.98/100VAC at full load A/115 VAC 3.5A/230VAC 6% 82% 82% 82% 84% 84% 86% old start 20A/115VAC 40A/230VAC 1mA/240VAC 1mA/240VAC 1m6/~125% rotection type: Constant current limiting, recovers automatically after fault condition is removed 15%~135% rotection type: Shut down o/p voltage, re-power on to recover ITH2≥95°C (Detect on heatsink of Q1,Q7 power transistor & L3 output choke)							
Input	Efficiency	76%	82%	82%	82%	84%	84%	86%		
	Inrush Current	Cold start 20A	/115VAC 40A/2	230VAC						
	Leakage Current	<1mA/240VA0)							
	0 1 1	110%~125%								
	Over Load	Protection typ	e: Constant cur	rent limiting, red	covers automati	cally after fault	condition is rem	noved		
Protection	Over Voltage	115%~135%								
Protection	Over voltage	Protection typ	e: Shut down o	/p voltage, re-po	ower on to recov	/er				
	Over Temperature	RTH2≥95°C (I	Detect on heats	sink of Q1,Q7 po	ower transistor	& L3 output cho	ke)			
	Over remperature	Protection typ	e: Shut down o	/p voltage, re-po	ower on to recov	/er				
	Working Temp & Humidity	-10°C~+60°C,	20%~90 %RH							
Environment	Storage Temp & Humidity	-20°C~+85°C,	10%~95 %RH							
	Vibration	10~500Hz, 20	10min./1cycle	, period for 60m	nin, each along	X, Y, Z axes				
	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5K	VAC O/P-FG: 0.	5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-F0	G, O/P-FG: 100	M Ohms / 500V	DC					
	Safety Standard	Design refer to	UL1950,TUV	EN60950						
Standards	EMC Standard	Design refer to	EN55022,EN6	61000-3-2,-3,EN	N61000-4-2,3,4,	5,6,8,11;ENV5	0204,EN55024			
	Weight	2.6Kg								
Others	Packing	6pcs/15.7Kg/1	.45 CUFT							

AC Input Terminal pin No. assignment No. assi



Parallel series switching power supplies

1000W SMPS with PFC and Parallel Function (HPGP-1000)



HPGP-1000...

Feature

- High efficiency, high reliability
- Universal AC input/ full range
- Built-in active PFC function, PF>0.95
- Protections: Short ciruit/ Over load /Over voltage/Over temperature
- Built-in constant current limiting circuit
- Forced air cooling by built-in DC fan
- Current sharing up to 2 units or 2000W • Built-in remote ON-OFF control and
- remote sense function
 Built-in active current sharing and paral lel function
- 3 years warranty
- Dimensions: 278*129*127mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

DC Voltage	Model		HPGP-1000 -5	HPGP-1000- 12	HPGP-1000- 13.5	HPGP-1000- 15	HPGP-1000- 24	HPGP-1000- 27	HPGP-1000- 48
Rated Current		DC Voltage	5V	12V	13.5V	15V	24V	27V	48V
Output Current Range 0-145A 0-57A 0-67A 0-60A 0-37.6A 0-33.6A 0-19A Rated Power 725W 900W 904.5W 900W 902.4W 907.2W 912W Ripple & Noise 100mVp-p 150mVp-p 150mVp-p<		Voltage Tolerance	±6%	±3%	±2%	±2%	±1%	±1%	±1%
Rated Power 725W 900W 904.5W 900W 902.4W 907.2W 912W 912W Ripple & Noise 100mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp-p 150mVp-p 150m		Rated Current	145A	75A	67A	60A	37.6A	33.6A	19A
Rated Power 725W 900W 904.5W 900W 902.4W 907.2W 912W	Output	Current Range	0-145A	0-75A	0-67A	0-60A	0-37.6A	0-33.6A	0-19A
DC Voltage adi.Range 5%,+10% -17%,+10% ±11% -10%,+20% -17%,+10% ±11% -15%,+17%	Output	Rated Power	725W	900W	904.5W	900W	902.4W	907.2W	912W
Setup,Rise,Hold Time 1.5s,50ms,15ms/230VAC 1.5s,50ms,1.5ms/115VAC at full load Voltage Range 90-264 VAC 47-63Hz;127-370VDC		Ripple & Noise	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p
Voltage Range		DC Voltage adi.Range	-5%,+10%	-17%,+10%	±11%	-10%,+20%	-17%,+10%	±11%	-15%,+17%
Prover Factor		Setup,Rise,Hold Time	1.5s,50ms,15r	ns/230VAC 1.5	s,50ms,1.5ms/1	15VAC at full lo	ad		
AC Current		Voltage Range	90~264 VAC 4	7-63Hz;127~37	70VDC				
Efficiency		Power Factor	PF>0.95/230V	AC PF>0.95/11	5VAC at full loa	ıd			
Efficiency 77% 84% 84% 84% 86% 8% 8		AC Current	14A/115 VAC	7A/230VAC					
Leakage Current C2mA/240VAC	Input	Efficiency	77%	84%	84%	84%	86%	86%	86%
Protection Over Load Total 15%-140% Protection type: Constant current limiting, recovers automatically after fault condition is removed Total 115%-135% Protection type: Shut down o/p voltage, re-power on to recover Over Temperature Over Temperature Over Temperature Frotection type: Shut down o/p voltage, re-power on to recover Protection type: Shut down o/p voltage, recovers automatically after temperature goes down Working Temp & Humidity -10°C-+65°C, 20%-90 %RH Storage Temp & Humidity -20°C-+85°C, 10%-95 %RH Vibration 10-500Hz, 2G 10min/1cycle, period for 60min, each along X, Y, Z axes Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Standards Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Weight Others		Inrush Current	Cold start 40A	/115VAC 70A/2	30VAC				
Protection Protection type: Constant current limiting, recovers automatically after fault condition is removed 115%~135%		Leakage Current	<2mA/240VAC	;					
Protection Vpe: Constant current limiting, recovers automatically after fault condition is removed 115%~135%			115%~140%						
Protection Over Voltage Protection type: Shut down o/p voltage, re-power on to recover Over Temperature Over Temperature Protection type: Shut down o/p voltage, re-power on to recover Protection type: Shut down o/p voltage, recovers automatically after temperature goes down Working Temp & Humidity -10°C~+65°C, 20%~90 %RH Storage Temp & Humidity -20°C~+85°C, 10%~95 %RH Vibration		Over Load	Protection type	e: Constant curi	ent limiting, rec	overs automatic	cally after fault of	condition is rem	oved
Protection type: Shut down o/p voltage, re-power on to recover Over Temperature Over Temperature Protection type: Shut down o/p voltage, re-power on to recover Protection type: Shut down o/p voltage, recovers automatically after temperature goes down Working Temp & Humidity -10°C~+65°C, 20%~90 %RH Storage Temp & Humidity -20°C~+85°C, 10%~95 %RH Vibration 10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Safety Standard Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Weight 5.2Kg	D	O Velle	115%~135%						
Over Temperature Protection type: Shut down o/p voltage, recovers automatically after temperature goes down Working Temp & Humidity -10°C~+65°C, 20%~90 %RH Storage Temp & Humidity -20°C~+85°C, 10%~95 %RH Vibration 10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Standards EMC Standard Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Weight 5.2Kg	Protection	Over voltage	Protection type	e: Shut down o/	p voltage, re-po	wer on to recov	er		
Protection type: Shut down o/p voltage, recovers automatically after temperature goes down Working Temp & Humidity		O T	95 (TSW1) De	tect on the hea	tsink of PFC MO	OSFET 90 (TSV	V2) Detect the v	winding of outpu	ıt choke
Environment Storage Temp & Humidity -20°C~+85°C, 10%~95 %RH Vibration 10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes Safety Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Standards Safety Standard Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Others Weight 5.2Kg		Over temperature	Protection type	e: Shut down o/	p voltage, recov	ers automatica	lly after tempera	ature goes dowr	1
Vibration		Working Temp & Humidity	-10°C~+65°C,	20%~90 %RH					
Safety Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Standards Safety Standard Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Others Weight 5.2Kg	Environment	Storage Temp & Humidity	-20°C~+85°C,	10%~95 %RH					
Safety Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC Standards Safety Standard Design refer to UL1950,TUV EN60950 EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Others Weight 5.2Kg		Vibration	10~500Hz, 2G	i 10min./1cycle,	period for 60m	in, each along)	۲, Y, Z axes		
Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC	0-1-1-	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5K\	/AC O/P-FG: 0.	5KVAC			
Standards EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Others Weight 5.2Kg	Salety	Isolation Resistance	I/P-O/P, I/P-F0	G, O/P-FG: 100	M Ohms / 500V	DC			
EMC Standard Design refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN55024 Weight 5.2Kg	Oten de de	Safety Standard	Design refer to	UL1950,TUV I	EN60950				
Others	Siandards	EMC Standard	Design refer to	EN55022,EN6	1000-3-2,-3,EN	161000-4-2,3,4,	5,6,8,11;ENV50	0204,EN55024	
		Weight	5.2Kg						
	Others	Packing	3pcs/16.3Kg/1	.42 CUFT					

ACInput Terminal Pin. No. Assignment: No. Assi



Parallel series switching power supplies

1500W SMPS with PFC and Parallel Function (HPGP-1500)



HPGP-1500...

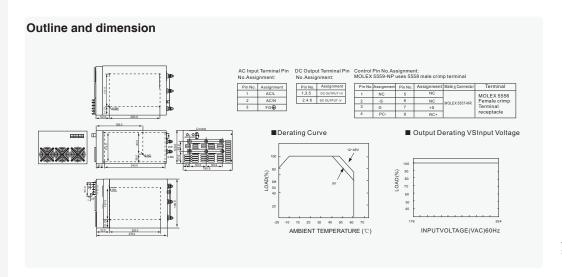
Feature

- High efficiency, high reliability
- AC input inrush current limiting
- Built-in active PFC function, PF>0.95
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control and remote sense function
- 3 years warranty
- Dimensions: 278*129*190.5mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HPGP-1500 -5	HPGP-1500- 12	HPGP-1500- 13.5	HPGP-1500- 15	HPGP-1500- 24	HPGP-1500- 27	HPGP-1500- 48
	DC Voltage	5V	12V	13.5V	15V	24V	27V	48V
	Voltage Tolerance	±6%	±3%	±2%	±2%	±1%	±1%	±1%
	Rated Current	217.5A	112.5A	100.5A	90A	56.4A	50.4A	28.5A
Output	Current Range	0-217.5A	0-112.5A	0-100.50A	0-90A	0-56.4A	0-50.4A	0-28.5A
Output	Rated Power	1087.5W	1350W	1356.75W	1350W	1353.6W	1360.8W	1368W
	Ripple & Noise	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p
	DC Voltage adi.Range	0-217.5A 0-112.5A 0-100.50A 0-90A 0-56.4A 0-50.4A 0-28.5A 1087.5W 1350W 1356.75W 1350W 1353.6W 1360.8W 1368W 100mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 150mVp-p 200mVp ge -5%,+10% -17%,+10% ±11% -10%,+20% -17%,+10% ±11% -15%,+1						
	Setup,Rise,Hold Time	1.5s,50ms,15r	ms/230VAC at f	ull load				
	Voltage Range	176 264 VAC	47-63Hz 248 37	70VDC				
	Power Factor	PF>0.95/230V	AC at full load					
lament.	AC Current	10.5A/230 VA	0					
Input	Efficiency	77%	84%	84%	84%	85%	85%	86%
	Inrush Current	Cold start 100	A/230VAC					
	Leakage Current	<3.5mA/240V/	AC					
	0 1	115%~140%						
	Over Load	Protection type	e: Constant cur	rent limiting, rec	overs automati	cally after fault o	condition is rem	oved
5	O Valla	115%~135%						
Protection	Over Voltage	Protection type	e: Shut down o/	p voltage, re-po	wer on to recov	er		
	Over Temperature	95 (TSW1) De	tect on the hea	tsink of PFC MC	DSFET 90 (TSV	V2) Detect the v	winding of outpu	ıt choke
	Over remperature	Protection type	e: Shut down o/	p voltage, recov	ers automatica	lly after tempera	ature goes dow	ı
Function	Remote Control	RC+/RC- 0~0.	8V POWER ON	√ 4~10V POWE	R OFF sink cur	rent <30mA		
	Working Temp & Humidity	-10°C~+65°C,	20%~90 %RH					
Environment	Storage Temp & Humidity	-20°C~+85°C,	10%~95 %RH					
	Vibration	10~500Hz, 2G	10min./1cycle	, period for 60m	in, X, Y, Z axes			
	Withstand Voltage	I/P-O/P: 3KVA	C I/P-FG: 1.5K	VAC O/P-FG: 0.	5KVAC			
Safety	Isolation Resistance	I/P-O/P, I/P-F0	G, O/P-FG: 100I	M Ohms / 500V	DC			
Ote to te	Safety Standard	Design refer to	UL1950,TUV	EN60950				
Standards	EMC Standard	Design refer to	EN55022,EN6	61000-3-2,-3,EN	161000-4-2,3,4,	5,6,8,11;ENV50	0204,EN55024	
Otherna	Weight	7.4Kg						
Others	Packing	2pcs/15.5Kg/1	.28 CUFT				-	
					_			





Parallel series switching power supplies

600W Parallel Type(N+1) with PFC Function (HGCP-600)



HGCP-600...

Feature

- High reliability, low ripple noise
- AC input voltage AC200~260V
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function (N+1)
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*132mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCP- 600-5	HGCP- 600-9	HGCP- 600-12	HGCP- 600-15	HGCP- 600-18	HGCP- 600-24	HGCP- 600-36	HGCP- 600-48	HGCP- 600-60		
	DC Voltage	5V	9V	12V	15V	18V	24V	36V	48V	60V		
	Voltage Tolerance	±1.5%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	100A	66A	50A	40A	33A	25A	16A	12A	10A		
Outout	Current Range	0-100A	0-66A	0-50A	0-40A	0-33A	0-25A	0-16A	0-12A	0-10A		
Output	Rated Power	500W	594W	600W	600W	600W	600W	500W	576W	600W		
	Ripple & Noise	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	360mVp-p	600-36 600-48 600-6 36V 48V 60V ±1% ±1% ±1% 16A 12A 10A 0-16A 0-12A 0-10A 500W 576W 600W 360mVp-p 480mVp-p 500m			
	DC Voltage adi.Range	Can adjust	9V 12V 15V 18V 24V 36V 48V 60V % ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1% ±1									
	Setup,Rise,Hold Time	500ms, 250	100mVp-p 120mVp-p 150mVp-p 180mVp-p 240mVp-p 360mVp-p 480mVp-p 500mVp-p ust from 20%~100% output voltage by external control 1-5V 250ms, 16ms at full load DVAC 47-63 Hz;selected by switch 260~370VDC 50 VAC 82% 84% 85% 86% 89% 89% 90% 90% 90% 0V 240VAC 15% on type: Current limiting, delay shut down o/p voltage, re-power on to recover									
	Voltage Range	180~260VA	C 47-63 Hz	selected by	switch 260~	370VDC						
	AC Current	5.0A/ 230 V	ust from 20%~100% output voltage by external control 1-5V 250ms, 16ms at full load 0VAC 47-63 Hz;selected by switch 260~370VDC 30 VAC 82% 84% 85% 86% 89% 89% 90% 90% 0V 240VAC 115% on type: Current limiting, delay shut down o/p voltage, re-power on to recover									
Input	Efficiency	80%	82%	84%	85%	86%	89%	89%	90%	90%		
	Inrush Current	60A/230V										
	Leakage Current	3.5 mA/240	VAC									
	Over Load	105%~115	%									
	Over Load	Protection	type: Curren	t limiting, del	ay shut dow	n o/p voltage	, re-power o	n to recover				
Protection		110%~135	%									
	Over Voltage	Protection	type: Shut do	own o/p volta	ige, re-powe	r on to recov	er					
	Over Temperature	TSW1(Pow	er transistor)When Temp	>100°C, sh	nut down o/p	voltage. Ten	np.<100°C, (D/I auto-reco	very		
	Working Temp & Humidity	-20°C~+65	°C, 20%~90	%RH								
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH								
	Vibration	10~200Hz,	2G 10min./	1 cycle, perio	d for 60min,	each along 2	K, Y, Z axes					
0-1-1-	Withstand Voltage	I/P-O/P:3K	VAC I/P-FG:	1.5KVAC O/	P-FG:0.5KV	AC.						
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-FG	G:100M Ohn	ns / 500VDC							
Oteradende	Safety Standard	Design refe	er to UL6095	0,TUV EN60	950							
Standards	EMC Standard	Design refe	er to EN5502	2,EN61000-	3-2,3, EN61	000-4-2,3,4,	5,6,8,11					
0.11	Weight	2.3Kg										
Others	Packing	8pcs/20kg/	CARTON									

Terminal Pin No. Assignment: Control Terminal Pin No. Assignment: Dinkle S1HDBC-08P or equivalent: | Pin Norther | Ausignment | Control Terminal Pin No. Assignment | Control Terminal



Parallel series switching power supplies

800W Parallel Type(N+1) with PFC Function (HGCP-800)



HGCP-800...

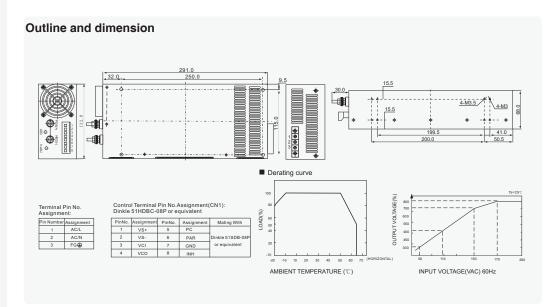
Feature

- High reliability, low ripple noise
- AC input voltage AC200~260V
- Protections: Short circuit/ Over load/ Over voltage/Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function (N+1)
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 3 years warranty
- Dimensions: 291*132*132mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCP- 800-9	HGCP- 800-12	HGCP- 800-15	HGCP- 800-18	HGCP- 800-24	HGCP- 800-36	HGCP- 800-48	HGCP- 800-60		
	DC Voltage	9V	12V	16V	18V	24V	36V	48V	60V		
	Voltage Tolerance	±1.5%	±1%	±1%	±1%	±1%	±1%	±1%	±1%		
	Rated Current	88A	66A	53A	44A	33A	22A	16A	13A		
Outnut	Current Range	0-88A	0-66A	0-53A	0-44A	0-33A	0-22A	0-16A	0-13A		
Output	Rated Power	792W	792W	795W	800W	792W	800W	768W	780W		
	Ripple & Noise	90mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	360mVp-p	0-36 800-48 800-4 V 48V 60V % ±1% ±1% A 16A 13A 12A 0-16A 0-13A DW 768W 780W DmVp-p 480mVp-p 500m % 89% 90%			
	DC Voltage adi.Range	Can adjust fi	rom 20%~100	% output volta	0-15 800-18 800-24 800-36 800-48 800-60 / 18V 24V 36V 48V 60V // ±1% ±1% ±1% ±1% ±1% ±1% A 44A 33A 22A 16A 13A 3A 0-44A 0-33A 0-22A 0-16A 0-13A 5W 800W 792W 800W 768W 780W mWp-p 180mVp-p 240mVp-p 360mVp-p 480mVp-p 500mVp-p tiput voltage by external control 1-5V d d by switch 260~370VDC // 86% 88% 88% 89% 90% g, delay shut down o/p voltage, re-power on to recover voltage, re-power on to recover 100°C, shut down o/p voltage. Temp. <100°C, O/l auto-recovery						
	Setup,Rise,Hold Time	800ms, 400r	n adjust from 20%~100% output voltage by external control 1-5V Dms, 400ms, 12ms at full load 0~260VAC 47-63 Hz;selected by switch 260~370VDC A/ 230 VAC % 84% 85% 86% 88% 88% 89% 90% A/230V mA/240VAC								
	Voltage Range	180~260VAC	2 47-63 Hz;se	lected by swite	ch 260~370VE	OC					
	AC Current	5.0A/ 230 VA	Oms, 400ms, 12ms at full load 0-260VAC 47-63 Hz;selected by switch 260~370VDC A/ 230 VAC 6/6 84% 85% 86% 88% 88% 89% 90% A/230V mA/240VAC 5%~115% tection type: Current limiting, delay shut down o/p voltage, re-power on to recover								
Input	Efficiency	83%	84%	85%	86%	88%	88%	89%	90%		
	Inrush Current	60A/230V									
	Leakage Current	3.5 mA/240\	/AC								
		105%~115%)					-	-		
	Over Load	Protection ty	pe: Current lir	niting, delay s	hut down o/p	oltage, re-pov	wer on to reco	ver			
Protection	O Valle	110%~135%)								
	Over Voltage	Protection ty	pe: Shut dowr	n o/p voltage,	re-power on to	recover					
	Over Temperature	TSW1(Powre	e transistor)te	mp.>100°C, s	hut down o/p v	oltage. Temp.	<100°C, O/I a	auto-recovery			
	Working Temp & Humidity	-20°C~+65°C	C, 20%~90 %F	RH							
Environment	Storage Temp & Humidity	-20°C~+85°C	C, 10%~95 %F	RH							
	Vibration	10~200Hz, 2	G 10min./1cy	cle, period for	60min, each	along X, Y, Z a	ixes				
0-1-1-	Withstand Voltage	I/P-O/P:3KV	AC I/P-FG:	1.5KVAC (D/P-FG:0.5KV	AC					
Safety	Isolation Resistance	I/P-O/P, I/P-F	FG, O/P-FG :1	00M Ohms / 5	500VDC						
01- 1- 1-	Safety Standard	Design refer	to 60950,TU\	/ EN60950							
Standards	EMC Standard	Design refer	to EN55022,E	EN61000-3-2,	3, EN61000-4	-2,3,4,5,6,8,11					
Othora	Weight	2.3Kg									
Others	Packing	8pcs/20kg/C	ARTON								





Parallel series switching power supplies

1200W Parallel Type(N+1) with PFC Function (HGCP-1200)



HGCP-1200...

Feature

- High reliability, low ripple noise
- AC input voltage AC200~260V
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function (N+1)
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291*132*132mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCP- 1K2-5	HGCP- 1K2-9	HGCP- 1K2-12	HGCP- 1K2-15	HGCP- 1K2-18	HGCP- 1K2-24	HGCP- 1K2-36	HGCP- 1K2-48	HGCP- 1K2-60		
	DC Voltage	5V	9V	12V	15V	18V	24V	36V	48V	60V		
1K2-5			±1%									
	Rated Current	200A	133A	100A	80A	66A	50A	33A	1K2-48 48V ±1% 24A 0-24A 1152W 0-p 480mVp-p	20A		
Outnut	Current Range	0-200A	0-133A	0-100A	0-80A	0-66A	0-50A	0-33A	0-24A	0-20A		
Output	Rated Power	1000W	1200W	1200W	1200W	1200W	1200W	1200W	36			
	Ripple & Noise	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	1K2-24 1K2-36 1K2-48 1K2-6 24V 36V 48V 60V ±1% ±1% ±1% ±1% 50A 33A 24A 20A 0-50A 0-33A 0-24A 0-20A 1200W 1200W 1152W 1200W 240mVp-p 360mVp-p 480mVp-p 500mV rol 1-5V 89% 90% 90% a, re-power on to recover 90% 90% x, re-power on to recover 7 7 x, re-power on to recover 7					
	DC Voltage adi.Range	Can adjust	133A 100A 80A 66A 50A 33A 24A 20A A 0-133A 0-100A 0-80A 0-66A 0-50A 0-33A 0-24A 0-20A V 1200W 1200W 1200W 1200W 1200W 1200W 1152W 1200W Vp-p 100mVp-p 120mVp-p 150mVp-p 180mVp-p 240mVp-p 360mVp-p 480mVp-p 500mV djust from 20%-100% output voltage by external control 1-5V s, 50ms, 16ms at full load 60VAC 47-63 Hz;selected by swith 260-370VDC 230 VAC 82% 84% 85% 86% 89% 89% 90% 90% 30V A/240VAC -140% ction type: Current limiting, delay shut down o/p voltage, re-power on to recover									
	Setup,Rise,Hold Time	500ms, 50r	VAC 47-63 Hz;selected by swith 260~370VDC VAC 82% 84% 85% 86% 89% 89% 90% 90%									
	Voltage Range	180~260VA	C 47-63 Hz	selected by	swith 260~3	70VDC						
	AC Current	10A/ 230 V	## 100ms, 16ms at full load VAC 47-63 Hz;selected by swith 260~370VDC VAC 82%									
Input	Efficiency	80%	82%	84%	85%	86%	89%	89%	90%	90%		
	Inrush Current	60A/230V										
	Leakage Current	3.5 mA/240	VAC									
		105%~140	%									
	Over Load	Protection	type: Current	t limiting, del	ay shut dow	n o/p voltage	e, re-power o	n to recover				
Protection	O Valla	110%~135	%									
	Over voltage	Protection	type: Shut do	own o/p volta	ige, re-powe	r on to recov	er					
	Over Temperature	TSW1(Pow	er transistor)Temp.>100°	C, shut dow	n o/p voltage	e. Temp<100	°C, O/I auto	-recovery.			
	Working Temp & Humidity	-20°C~+65	°C, 20%~90	%RH								
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH								
	Vibration	10~200Hz,	2G 10min./1	Cycle, perio	d for 60min,	each along)	K, Y, Z axes					
0.11	Withstand Voltage	I/P-O/P:3K	VAC I/P-F	G:1.5KVAC	O/P-FG:	0.5KVAC						
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-FG	G:100M Ohn	ns / 500VDC							
0	Safety Standard	Design refe	er to UL6095	0,TUV EN60	950							
Standards	EMC Standard	Design refe	er to EN5502	2,EN61000-	3-2,3, EN61	000-4-2,3,4,	5,6,8,11					
0.11	Weight	4.5Kg;										
Others	Packing	4pcs/19kg/	CARTON									

Outline and dimension Terminal pin No. assignment dinkle 51HDBC-08P or equivalent \[\text{Pin No. Assignment bin No. assignment of the No. Assignment o



Parallel series switching power supplies

2400W Parallel Type(N+1) with PFC Function (HGCP-2400)



HGCP-2400...

Feature

- AC input 180~260VAC, 3 ⊕3 wire
- AC 220V, 1 Φ or 380V, 3 Φ 4 wire (Option)
- PF>0.98 @ 230VAC
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With good signal
- With parallel function(N+1)
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 3 years warranty
- Dimension: 350*212*124mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range.
 But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HGCP-2K4 -9	HGCP-2K4- 12	HGCP-2K4- 15	HGCP-2K4- 18	HGCP-2K4- 24	HGCP-2K4- 36	HGCP-2K4- 48
	DC Voltage	9V	12V	15V	18V	24V	36V	48V
	Voltage Tolerance	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Rated Current	266A	200A	160A	133A	100A	66A	50A
Output	Current Range	0-266A	0-200A	0-160A	0-133A	0-100A	0-66A	0-50A
Output	Rated Power	2400W	2400W	15				
	DC Voltage adi.Range Can adjust from 20%~100% output voltage by external control 1-5V Setup,Rise,Hold Time 800ms, 400ms, 12ms at full load Voltage Range 180~260VAC 3 Ф 4 wire, 47~63 Hz AC Current 15A/ 230 VAC							
	DC Voltage adi.Range	Can adjust from	m 20%~100% o	utput voltage by	external contro	l 1-5V		
	Setup,Rise,Hold Time	800ms, 400ms	s, 12ms at full lo	ad				
	Voltage Range	180~260VAC	3 Ф 4 wire, 47~6	3 Hz				
	AC Current	15A/ 230 VAC						
Input	Efficiency	83%	84%	85%	86%	88%	88%	90%
	Inrush Current	60A/230V						
	Leakage Current	3.5 mA/240VA	С					
	0 1 1	110%~140%						
	Over Load	Protection type	e: Current limitin	g, delay shut do	wn o/p voltage,	re-power on to	recover	
Protection	0 1/4/14	110%~135%						
	Over Voltage	Protection type	e: Shut down o/p	voltage, re-pov	ver on to recove	r		
	Over Temperature	TSW1(Power t	ransistor)When	Temp.>100°C,	shut down o/p v	oltage, Temp.<1	00°C,O/I auto −	revovery.
	Working Temp & Humidity	-20°C~+65°C,	20%~90%RH					
Environment	Storage Temp & Humidity	-20°C~+85°C,	10%~95%RH					
	Vibration	10~200Hz, 2G	10min./1cycle,	period for 60mi	n, each along X,	Y, Z axes		
Cofety	Withstand Voltage	I/P-O/P:3KVA0	C I/P-FG:1.5I	KVAC O/P-F0	G:0.5KVAC			
Safety	Isolation Resistance	I/P-O/P, I/P-FG	G, O/P-FG :100N	/I Ohms / 500VE	C			
Ctondordo	Safety Standard	Design refer to	UL60950,TUV	EN60950 Appro	oved			
Standards	EMC Standard	Design refer to	EN55022,EN6	1000-3-2,3, EN	61000-4-2,3,4,5,	6,8,11		
Other	Weight	9.0Kg;						
Others	Packing	1pcs/10kg/CA	RTON					

Control Terminal Pin NO. Assignment: | Pin No. | Assignment | Pin No. |



Open frame switching power supplies

25W Single Output Switching Power Supply (GPS-25)



GPS-25...

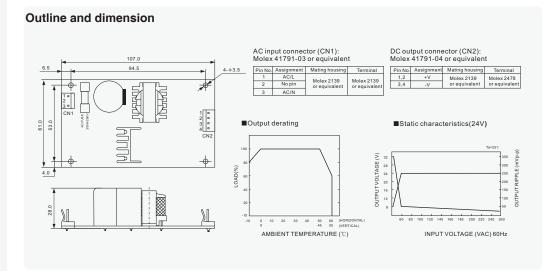
Feature

- High efficiency, high reliability
- Universal AC input/ full range
- Low leakage current <0.5mA
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage/ Over temp.
- Cooling by free air convection
- Fixed switching frequency at 100KHz
- 2 years warranty
- Dimensions: 107*61*28mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPS-25- 3.3	GPS-25- 5	GPS-25- 7.5	GPS-25- 12	GPS-25- 13.5	GPS-25- 15	GPS-25- 24	GPS-25- 27	GPS-25- 48
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	36V	27V	48V
	Voltage Tolerance	±3%	±2%	±2%	±2%	±2%	±2%	±2%	±2%	±2%
	Rated Current	5A	5A	3.3A	2.1A	1.9A	1.7A	1A	0.9A	0.5A
Output	Current Range	0-5A	0-5A	0-3.3A	0-2.1A	0-1.9A	0-1.7A	0-1A	0-0.9A	0-0.5A
	Rated Power	16.5W	25W	24.8W	25.2W	25.7W	25.5W	24W	24.3W	24W
	Ripple & Noise	80mVp-p	5 7.5 12 13.5 15 24 27 48 V 5V 7.5V 12V 13.5V 15V 36V 27V 48 V 5V 7.5V 12V 13.5V 15V 36V 27V 48 A 22% ±2% ±2% ±2% ±2% ±2% ±2 5A 3.3A 2.1A 1.9A 1.7A 1A 0.9A 0.5 A 0.5A 0.3.3A 0.2.1A 0.1.9A 0.1.7A 0.1A 0.0.9A 0.5 EW 25W 24.8W 25.2W 25.7W 25.5W 24W 24.3W 24 EW 25W 24.8W 25.2W 25.7W 25.5W 24W 24.3W 24 EW 25W 24.8W 25.2W 25.7W 25.5W 24W 24.3W 24 EW 25W 24.8W 25.2W 25.7W 25.5W 24W 24.3W 24 EW 264VAC 47-63Hz; 120~370VDC A/115VAC 0.4A/230VAC EW 264VAC 47-63Hz; 120~370VDC A/115VAC 0.4A/230VAC EW 265W 78% 78% 78% 79% 79% 79% 79% EW 36 start 36A/230VAC EW 265W 78% 78% 78% 78% 79% 79% 79% EW 36 start 36A/230VAC EW 36 Shut down o/p voltage, re-power on to removed EW 35°C Shut down o/p voltage, auto-recovery EW 36°C, 10%~95 %RH EW 36°C Shut down o/p FG: 0.5KVAC EW 36°C SKVAC VP-FG: 1.5KVAC O/P-FG: 0.5KVAC							350mVp-p
	Setup,Rise,Hold Time	200ms, 20r	ms, 100ms /	230VAC 200	ms, 30ms, 2	0ms /115VA	C at full load			
	Voltage Range	85~264VA0	C 47-63Hz ;	120~370VD	2					
	AC Current	0.6A/115VA	15VAC 0.4A/230VAC 78% 78% 78% 79% 79% 79% 15VAC 15VAC 76% 78% 78% 78% 79% 79% 79% 15VAC 15							
Input	Efficiency	66%	74%	76%	78%	78%	78%	79%	79%	79%
	Inrush Current	Cold start 3	36A/230VAC	;						
	Leakage Current	<0.5 mA/24	10VAC							
	Over Load	>105%, Hid	ccup mode,	recovers aut	omatically af	ter fault cond	lition is remo	oved		
Protection	Over Voltage	115%-1359	% Shut dowr	n o/p voltage	, re-power or	to removed				
	Over Temperature	U1≥135°C	Shut down	o/p voltage,	auto-recover	у				
	Working Temp & Humidity	-10°C~+60	°C, 20%~90	%RH						
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH						
	Vibration	10~500Hz,	2G 10min./	1cycle, perio	d for 60min,	each along)	۲, Y, Z axes			
0.11	Withstand Voltage	I/P-O/P: 3K	VAC I/P	-FG: 1.5KVA	C O/P-F0	G: 0.5KVAC				
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-F0	G: 100M Ohn	ns / 500VDC				,	
Oten dende	Safety Standard	Design refe	er to UL6095	60-1, TUV EN	160950-1					
Standards	EMC Standard	Design refe	er to EN5502	22,EN61000-	3-2,-3,EN61	000-4-2,3,4,	5			
Oll	Weight	0.14Kg	-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC sign refer to UL60950-1, TUV EN60950-1 sign refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5							
Others	Packing	96pcs/15K	25W 24.8W 25.2W 25.7W 25.5W 24W 24.3W 24W VP-P 80mVP-P 80mVP-P 100mVP-P 100mVP-P 100mVP-P 240mVP-P 240mVP-P 350mVP- ns, 20ms, 100ms /230VAC 200ms, 30ms, 20ms /115VAC at full load 264VAC 47-63Hz; 120-370VDC //115VAC 0.4A/230VAC 74% 76% 78% 78% 78% 79% 79% 79% 79% start 36A/230VAC mA/240VAC 5%, Hiccup mode, recovers automatically after fault condition is removed 6-135% Shut down o/p voltage, re-power on to removed 135°C Shut down o/p voltage, auto-recovery C-+60°C, 20%-90 %RH C-+85°C, 10%-95 %RH 600Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes 20/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC 20/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC gn refer to UL60950-1, TUV EN60950-1 gn refer to EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5							





Open frame switching power supplies

45W Single Output Switching Power Supply (GPS-45)



GPS-45...

Feature

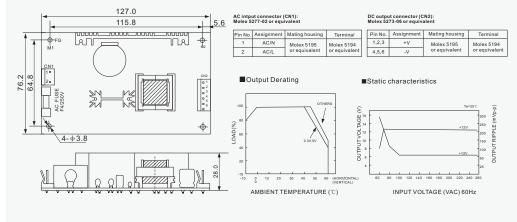
- High efficiency, high reliability
- Universal AC input / full range
- Low leakage current <0.5mA
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Cooking by free air convection
- Fixed switching frequency at 65KHz
- 2 years warranty
- Dimensions: 127*76.2*28mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPS-45- 3.3	GPS-45- 5	GPS-45- 7.5	GPS-45-	GPS-45- 13.5	GPS-45- 15	GPS-45- 24	GPS-45- 27	GPS-45- 48
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	36V	27V	48V
	Voltage Tolerance	±3%	±3%	±3%	±2%	±2%	±2%	±2%	±2%	±2%
	Rated Current	8A	8A	5.4A	3.7A	3.3A	3A	1.9A	1.7A	1A
Outnut	Current Range	0-10.7A	0-10.5A	0-7A	0-4.4A	0-3.9A	0-3.5A	0-2.2A	0-1.95A	0-1.1A
Output	Rated Power	26.4W	40W	40.5W	44.4W	44.6W	45W	45.6W	45.9W	48W
	Ripple & Noise	80mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	DC Voltage Adj.Range	3.3 5 7.5 12 13.5 15 24 27 48 3.3V 5V 7.5V 12V 13.5V 15V 36V 27V 48V ±3% ±3% ±2%								
	Setup,Rise,Hold Time	800ms, 30r	40W 40.5W 44.4W 44.6W 45W 45.6W 45.9W 48W 10-p 100mVp-p							
	Voltage Range	90~264VA0	40W 40.5W 44.4W 44.6W 45W 45.6W 45.9W 48W							
	AC Current	0.8A/115VA	AC 0.56	A/230VAC						
Input	Efficiency	69%	74%	75%	76%	77%	77%	78%	78%	78%
	Inrush Current	Cold start 1	15A/115VAC	30A/230\	/AC					
	Leakage Current	<0.75 mA/2	240VAC							
	Over Load	53-75W(3.0	3V:36-55W)	Fold back of	urrent limitin	g, recovers	automaticall	y after fault c	ondition is re	emoved
Protection	Over Voltage	115%-1359	% Hiccup mo	de, recovers	automatical	ly after fault	condition is	removed		
	Over Temperature	U1≥135°C	Shut down	o/p voltage,	auto-recover	у				
	Working Temp & Humidity	-10°C~+60	°C, 20%~90	%RH						
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH						
	Vibration	10~500Hz,	2G 10min./1	Cycle, perio	d for 60min,	each along 2	K, Y, Z axes			
0-4-4	Withstand Voltage	I/P-O/P: 3K	VAC I/P-I	FG: 1.5KVAC	O/P-FG	: 0.5KVAC				
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-FG	G: 100M Ohn	ns / 500VDC					
Otamalanda	Safety Standard	Design refe	er to UL6095	0, TUV EN6	0950-1					
Standards	EMC Standard	Design refe	er to EN5502	2,EN61000-	3-2,-3,EN61	000-4-2,3,4,	5,6,8,11; EN	V50204,EN5	55024	
Othors	Weight	0.19Kg								
Others	Packing	72pcs/15.6	Kg/1.35CUF	T						

Outline and dimension





Open frame switching power supplies

65W Single Output Switching Power Supply (GPS-65)



GPS-65...

Feature

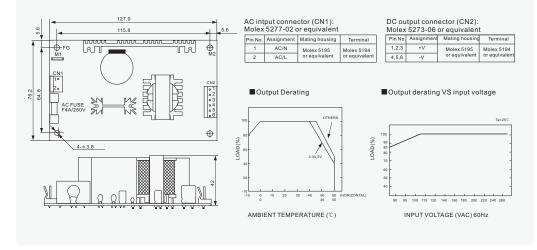
- High efficiency, high reliability
- Universal AC input/ full range
- Low leakage current < 0.5mA
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- Fixed switching frequency at 65KHz
- 2 years warranty
- Dimensions: 127*76.2*42mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPS-65- 3.3	GPS-65- 5	GPS-65- 7.5	GPS-65- 12	GPS-65- 13.5	GPS-65- 15	GPS-65- 24	GPS-65- 27	GPS-65- 48
	DC Voltage	3.3V	5V	7.5V	12V	13.5V	15V	36V	27V	48V
	Voltage Tolerance	±3%	±3%	±3%	±2%	±2%	±2%	±2%	±2%	±2%
	Rated Current	12A	12A	8A	5.2A	4.7A	4.2A	2.7A	2.4A	1.3A
0	Current Range	0-15.2A	0-13.8A	0-9.6A	0-6A	0-5.4A	0-4.8A	0-3A	0-2.7A	0-1.5A
Output	Rated Power	39.6W	60W	60W	62.4W	63.5W	63W	64.8W	64.8W	64.8W
	Ripple & Noise	±3% ±3% ±2% ±2% ±2% ±2% ±2% ±2% ±29 ±29 ±29 ±29 ±29 ±29 ±29 ±29 ±29 ±29							100mVp-p	
	DC Voltage Adj.Range	-5%, +10%								
	Setup,Rise,Hold Time	800ms, 20r	ns, 60ms at	full load						
	Voltage Range	90~264VA0	C 47-440Hz;	127~370VD	С					
	AC Current	1.2A/115VA	AC 0.72A	/230VAC						
Input	Efficiency	69%	76%	79%	79%	79%	79%	80%	80%	80%
	Inrush Current	Cold start 2	20A/115VAC	40A/230\	/AC					
	Leakage Current	<0.5 mA/24	10VAC							
Protection	Over Load	53-75W 3.3	3V:36-55W	Hiccupe mod	le, recovers	automatically	y after fault o	condition is re	emoved	
Flotection	Over Voltage	115%~135	% Hiccup m	ode, reovers	automatical	y after fault o	condition is r	emoved		
	Working Temp & Humidity	-10°C~+60	°C, 20%~90	%RH						
Environment	Storage Temp & Humidity	-20°C~+85	°C, 10%~95	%RH						
	Vibration	10~500Hz,	2G 10min./	cycle, perio	d for 60min,	each along)	۲, Y, Z axes			
0.4.	Withstand Voltage	I/P-O/P: 3K	VAC I/P-F	G: 1.5KVAC	O/P-FG: 0	.5KVAC				
Safety	Isolation Resistance	I/P-O/P, I/P	-FG, O/P-FG	a: 100M Ohn	ns / 500VDC			,		
	Safety Standard	Design refe	er to UL6095	0, TUV EN6	0950-1					
Standards	EMC Standard	Design refe	er to EN5502	2,EN61000-	3-2,-3,EN61	000-4-2,3,4,	5,6,8,11; EN	V50204,EN5	55024	
0.11	Weight	0.21Kg								
Others	Packing	54pcs/14.2	Kg/1.35CUF	T						

Outline and dimension





Open frame switching power supplies

25W Dual Output Switching Power Supply (GPD-25)



GPD-25...

Feature

- High efficiency, high reliability
- Universal AC input/ full range
- Low leakage current <0.5Ma
- Protections: Short circuit/ Over load/ Over voltage / Over temp
- 100% full load burn-in test
- Cooling by free air convection
- Fixed switching frequency at 100KHz
- 2 years warranty
- Dimensions: 107*61*28mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPD)-25A	GPE)-25B	GPD	-2505	GPD	-2512	GPE)-2515
iviodei		CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
	DC Voltage	5V	12V	5V	24V	5V	-5V	12V	-12V	15V	-15V
	Voltage Tolerance	±2%	±6%	±2%	±6%	±6%	±6%	±4%	±4%	±4%	±4%
	Rated Current	2.1A	1.2A	1.2A	0.8A	2.5A	2.5A	1A	1A	0.8A	0.8A
Output	Current Range	5V 12V 5V 24V 5V -5V 12V -12V 15V -15V ±2% ±6% ±6% ±6% ±6% ±6% ±4% ±4% ±4% ±4% ±4% ±4% ±4% ±4% ±4% ±4						0.1-1A			
	Rated Power	25	12V 5V 24V 5V -5V 12V -12V 15V -15V 15V -15V 16% ±6% ±6% ±6% ±6% ±4%								4W
	Ripple & Noise	50mV	ms, 50ms, 100ms/ 230VAC 250ms,30ms, 16ms/115VAC at full load 264VAC 127~370VAC 47-63Hz A/115VAC 0.4A/230VAC 77% 73% 74% 75% Istart 32A								50mV
	Setup,Rise,Hold Time	250ms, 50	ms, 100ms	s/ 230VAC	250ms,30m	ıs, 16ms/11	5VAC at fu	ll load			
	Voltage Range	85~264VA	C 127~370	VAC 47-63	BHz						
	AC Current	0.65A/115	SVAC 0	.4A/230VA	С						
Input	Efficiency	71%	H1 CH2 CH1 CH2 CH1 CH2 CH1 CH2 CH1 CH2 CH1 CH2 // 12V 5V 24V 5V -5V 12V -12V 15V -15V 2% ±6% ±2% ±6% ±6% ±6% ±6% ±4% ±4% ±4% ±4% 1A 1.2A 1.2A 0.8A 2.5A 2.5A 1A 1A 0.8A 0.8A 2-2-2.5A 0.1-1.5A 0.2-2A 0.1-1A 0.1-3A 0.1-2.5A 0.1-1.2A 0.1-1A 0.1-1A 0.1-25W 25W 24W 24W 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW 2MW								
	Inrush Current	Cold start	32A								
	Leakage Current	<0.5 mA/2	240VAC								
	Over Load	>105%	Protection	type: Hiccu	p mode, re	covers auto	matically a	fter fault co	ndition is re	emoved	
Protection	Over Voltage	115%~13	5% Protec	ction type: S	Shut down o	n/p voltage,	re-power o	n to recove	r		
	Over Temperature	U1≥135°0	Shut dow	n o/p voltag	e, recovers	automatica	ally after fa	ult conditior	is remove	d	
	Working Temp & Humidity	-10°C~+60	0°C, 20%~9	90 %RH							
Environment	Storage Temp & Humidity	-20°C~+8	5°C, 10%~9	95 %RH							
	Vibration	10~500Hz	z, 2G 10mir	n./1cycle, p	eriod for 60	min, each a	along X, Y, Z	Z axes			
0.71	Withstand Voltage	I/P-O/P: 3	KVAC I/	P-FG: 1.5K	VAC O/I	P-FG: 0.5K	VAC				
Safety	Isolation Resistance	I/P-O/P, I/I	P-FG, O/P-	FG: 100M	Ohms / 500	VDC					
Standards	Safety Standard	Design re	fer to UL60	950-1, TUV	' EN60950-	1		,			
Stariuarus	EMC Standard	Design re	fer to EN55	022,EN610	000-3-2,-3,E	EN61000-4-	-2,3,4,5				
Others	EMC Standard Weight	Design re	Ins., 50ms, 100ms/ 230VAC 250ms,30ms, 16ms/115VAC at full load 264VAC 127~370VAC 47-63Hz 5A/115VAC 0.4A/230VAC 6 77% 73% 74% 75% d start 32A 5 mA/240VAC 15% Protection type: Hiccup mode, recovers automatically after fault condition is removed 15% Protection type: Shut down o/p voltage, re-power on to recover 2135°C shut down o/p voltage, recovers automatically after fault condition is removed 1°C~+80°C, 20%~90 %RH 1°C~+85°C, 10%~95 %RH 1°C~+85°C, 10%-95 %RH 20/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC 20/P; I/P-FG, O/P-FG: 100M Ohms / 500VDC 10 sign refer to UL60950-1, TUV EN60950-1 10 sign refer to EN55022, EN61000-3-2, -3, EN61000-4-2, 3, 4, 5								

Outline and dimension AC input connector (CN1) Pin No. Assignment Mating housing Terminal 1 ACIL 1 ACIL 2 No pin or equivalent or equivalent or equivalent or equivalent or equivalent Output derating Static characteristics Static characteristics Parass: Output connector (CN2) Pin No. Assignment Mating housing Terminal 1 V1 Molex 2139 or equivalent or equi



Open frame switching power supplies

45W Dual Output Switching Power Supply (GPD-45)



GPD-45...

Feature

- · High efficiency, high reliability
- Universal AC input /full range
- Low leakage current <0.5mA
- Protections: Short circuit/ Over load/ Over voltage
- 100% full load burn-in test
- Cooling by free air convection
- 2 years warranty
- Fixed switching frequency at 65KHz
- Dimensions: 127*76.2*28mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPD-45A		GPD-45B			
		CH1	CH2	CH1	CH2		
	DC Voltage	5V	12V	5V	24V		
	Voltage Tolerance	±4%	±7%	±4%	±7%		
	Rated Current	3.2A	2A	3.2A	1.2A		
Output	Current Range	0.4-5A	0.2-2.5A	0.4-5A	0.2-1.8A		
	Rated Power	4	0W	44	.8W		
	Ripple & Noise	50mVp-p	120mVp-p	50mVp-p	150mVp-p		
	Setup,Rise,Hold Time	800ms, 20ms, 60ms at ful	l load				
	Voltage Range	90~264VAC 47-440Hz ; 12	27~370VAC				
	AC Current	1A/115VAC 0.7A/230VA	С				
Input	Efficiency	77%		78%			
	Inrush Current	Cold start 15A/115VAC 30A/230VAC					
	Leakage Current	<0.5 mA					
	Over Load	53-75W Protection type: Fold back current limiting, recovers automatically after fault condition is removed					
Protection	Over Voltage	CH1:115%~135% Protection type: Fold back current limiting, recovers automatically after fault condition is removed					
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH					
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %I	RH				
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes					
0.4.	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 1	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC				
0	Safety Standard	Design refer to UL60950,	TUV EN60950-1				
Standards	EMC Standard	Design refer to EN55022,I	EN61000-3-2,-3,EN61000-4	-2,3,4,5,6,8,11;ENV50204,E	N55024		
	Weight	0.2Kg					
Others	Packing	72pcs/16Kg/1.35CUFT					
	1	1					



Open frame switching power supplies

65W Dual Output Switching Power Supply (GPD-65)



GPD-65...

Feature

- · High efficiency, high reliability
- Universal AC input/ full range
- Low leakage current <0.5mA
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- Fixed switching frequency at 65KHz
- 2 years warranty
- Dimensions: 127*76.2*42mm(L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		GPI	D-65A	GPE)-65B	
		CH1	CH2	CH1	CH2	
	DC Voltage	5V	12V	5V	24V	
	Voltage Tolerance	±4%	±7%	±4%	±7%	
	Rated Current	5.5A	2.8A	3.5A	2A	
Output	Current Range	0.4-7A	0.2-3.2A	0.4-6A	0.2-2.6A	
	Rated Power	61	.1W	65	.5W	
	Ripple & Noise	50mVp-p	120mVp-p	50mVp-p	120mVp-p	
	Setup,Rise,Hold Time	800ms, 20ms, 60ms at full	load			
	Voltage Range	90~264VAC 47-440Hz; 12	7~370VAC			
	AC Current	1.5A/115VAC 0.9A/230VAC				
Input	Efficiency	78%		81%		
	Inrush Current	Cold start 20A/115VAC 40A/230VAC				
	Leakage Current	<0.5 mA				
Dont die	Over Load	73-105W Protection type: Hiccup mode, recovers automatically after fault condition is removed				
Protection	Over Voltage	CH1~115%~135% Protection type: Hiccup mode, recovers automatically after fault condition is removed				
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH				
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH				
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes				
	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG	: 1.5KVAC O/P-FG: 0.5K	VAC		
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 1	00M Ohms / 500VDC			
Standards	Safety Standard	Design refer to UL60950,	TUV EN60950-1			
Siafluarus	EMC Standard	Design refer to EN55022,	EN61000-3-2,-3,EN61000-4	-2,3,4,5,6,8,11; ENV50204,E	EN55024	
Oll	Weight	0.24Kg				
Others	Packing	54pcs/15Kg/1.35CUFT				



Din-Rail type switching power supplies

20W Single Output Industrial DIN Rail Power Supply (GDR-20)



GDR-20...

Feature

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- NEC class 2 / LPS compliant
- Built in DC OK active signal
- LED indicator for power on
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $^\circ\! C$ of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- Tolerance : includes set up tolerance, line regulation and load regulation.
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
- Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.

	GDR-20-5	GDR-20-12	GDR-20-15	GDR-20-24	
DC Voltage	5V	12V	15V	24V	
Rated Current	3A	1.67A	1.34A	1A	
Current Range	0~3A	0~1.67A.	0~1.34A	0~1A	
Rated Power	15W	20W	20W	24W	
Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
DC Voltage Adj.Range	4.75-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V	
Voltage Tolerance	±2.0%	±1.0%	±1.0%	±1.0%	
Line Regulation	±1.0%	±1.0%	±1.0%	±1.0%	
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	
Setup, Rise Time	500ms, 30ms/230VAC 100	0ms, 30ms/115VAC at full I	oad		
Hold Up Time (Typ.)	50ms/230VAC 120-370VD	C			
Voltage Range	85-264VAC 120-370VDC				
Frequency range	47-63Hz				
Efficiency	76%	80%	81%	84%	
AC Current(Typ.)	0.55A/115VAC 0.35A/230VAC				
Inrush current(Typ.)	Cold start 20A/115VAC 40A/230VAC				
Over Load	105%~160% rated output power				
Over Load	Protection type: Constant			i e	
Over Veltage	5.75-6.75V	13.8-16.2V	17.25-20.25V	27.6-32.4V	
Over voltage	Protection type: shut down o/p voltage, re-power on to recover				
DC OK AC tive signal	3.75-6V/50mA	9-13.5V/40mA	11.5-16.5V/40mA	18-27V/20mA	
Working temp.	-20-+70 $^{\circ}$ C (Refer to output	t load derating curve)			
Working humidity	20°C~90°C, RH non-condensing				
	-40°C~+85°C, 10%~95 %RH				
Storage Temp & Humidity	-40°C~+85°C, 10%~95 %F				
Storage Temp & Humidity Temp. coefficient	-40°C~+85°C, 10%~95 %F ±0.03%/°C(0-55°C)				
	±0.03%/°C(0-55°C)	RH	n along X,Y,Z axes;Mounting	:Compliance to IEC60068	
Temp. coefficient	±0.03%/°C(0-55°C) Component:10-500Hz, 2G	RH		:Compliance to IEC60068	
Temp. coefficient Vibration	±0.03%/°C(0-55°C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a	RH 10min./1cycle, 60min, each	compliant	:Compliance to IEC60068	
Temp. coefficient Vibration Safety standards	±0.03%/°C(0-55°C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a	10min./1cycle, 60min, each pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA	compliant	:Compliance to IEC60068	
Temp. coefficient Vibration Safety standards Withstand Voltage	±0.03%/°C(0-55°C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a I/P-O/P:3KVAC	10min./1cycle, 60min, each pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA	compliant	:Compliance to IEC60068	
Temp. coefficient Vibration Safety standards Withstand Voltage Is olation resistance	±0.03%/°C(0-55°C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a I/P-O/P:3KVAC	10min./1cycle, 60min, eacl pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA 00M Ohms/500VDC N55022 (CISPR22), EN612	compliant	:Compliance to IEC60068	
Temp. coefficient Vibration Safety standards Withstand Voltage Is olation resistance EMI conduction	±0.03%/*C(0.55*C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a I/P-O/P:3KVAC	10min./1cycle, 60min, each pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA 00M Ohms/500VDC N55022 (CISPR22), EN612 -2,-3	compliant		
Temp. coefficient Vibration Safety standards Withstand Voltage Is olation resistance EMI conduction Harmonic current	±0.03%/*C(0.55*C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a I/P-O/P:3KVAC	10min/1cycle, 60min, each pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA 00M Ohms/500VDC N55022 (CISPR22), EN612 -2,-3 -2, 3, 4, 5, 6, 8, 11, ENV503	c compliant C		
Temp. coefficient Vibration Safety standards Withstand Voltage Is olation resistance EMI conduction Harmonic current EMS immunity	±0.03%/*C(0.55*C) Component:10-500Hz, 2G UL508, TUV EN60950-1 a I/P-O/P:3KVAC I/P-FG:1 I/P-O/P, I/P-FG, O/P-FG:11 Compliance to EN55011,E Compliance to EN61000-3 Compliance to EN61000-4 level, criteria A	10min/1cycle, 60min, each pproved, NEC class 2 / LPS .5KVAC O/P-FG:0.5KVA 00M Ohms/500VDC N55022 (CISPR22), EN612 -2,-3 -2, 3, 4, 5, 6, 8, 11, ENV503	c compliant C		
	Rated Current Current Range Rated Power Ripple & Noise DC Voltage Adj.Range Voltage Tolerance Line Regulation Load Regulation Setup, Rise Time Hold Up Time (Typ.) Voltage Range Frequency range Efficiency AC Current(Typ.) Inrush current(Typ.) Over Load Over Voltage DC OK AC tive signal Working temp.	DC Voltage 5V Rated Current 3A Current Range 0~3A Rated Power 15W Ripple & Noise 80mVp-p DC Voltage Adj.Range 4.75-5.5V Voltage Tolerance ±2.0% Line Regulation ±1.0% Load Regulation ±1.0% Setup, Rise Time 500ms, 30ms/230VAC 100-370VD Hold Up Time (Typ.) 50ms/230VAC 120-370VDC Frequency range 47-63Hz Efficiency 76% AC Current(Typ.) 0.55A/115VAC 0.35A/230V Inrush current(Typ.) Cold start 20A/115VAC 40 Over Load 105%~160% rated output protection type: Constant of type: Constant of type: Constant of type: Shut down Over Voltage 5.75-6.75V Protection type: shut down DC OK AC tive signal 3.75-6V/50mA Working temp. -20-+70°C (Refer to output	DC Voltage	DC Voltage	

Outline and dimension | Mechanical Specification | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10



Din-Rail type switching power supplies

40W Single Output Industrial DIN Rail Power Supply (GDR-40)



GDR-40...

Feature

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- NEC class 2 / LPS compliant (12V,24V,48V only)
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- Tolerance : includes set up tolerance, line regulation and load regulation.
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
- Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.

Model		GDR-40-5	GDR-40-12	GDR-40-24	GDR-40-48	
	DC Voltage	5V	12V	24V	48V	
	Rated Current	6A	3.33A	1.7A	0.83A	
	Current Range	0-6A	0-3.33A	0-1.7A	0-0.83A	
	Rated Power	30W	40W	40.8W	39.8W	
	Ripple & Noise	80mVp-p	120mVp-p	150mVp-p	200mVp-p	
Output	DC Voltage Adj.Range	5-6V	12-15V	24-30V	48-56V	
	Voltage Tolerance	±2.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±1.0%	±1.0%	±1.0%	±1.0%	
	Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	
	Setup, Rise Time	500ms, 30ms/230VAC 100	00ms, 30ms/115VAC at full	load		
	Hold Up Time (Typ.)	50ms/230VAC 120-370VD	C			
	Voltage Range	85-264VAC 120-370VDC				
	Frequency range	47-63Hz				
Input	Efficiency	78%	86%	88%	88%	
	AC Current(Typ.)	1.1A/115VAC 0.7A/230VAC				
	Inrush current(Typ.)	Cold start 30A/115VAC 60A/230VAC				
	Over Load	ver Load 105%~150% rated output power				
D . I . I'.	Over Load	Protection type: Constant current limiting, recovers automatically after fault condition is removed				
Protection	Over Voltage	6.25-7.25V	15.6-18V	31.2-36V	57.6-64.8V	
	Over voitage	Protection type: shut down o/p voltage, re-power on to recover				
Function	DC OK AC tive signal	Relay contact rating(max.)	:30V/1A resistive			
	Working temp.	-20-+70°C (Refer to output	it load derating curve)			
	Working humidity	20°C~90°C, RH non-condensing				
Environment	Storage Temp & Humidity	-40°C~+85°C, 10%~95 %RH				
	Temp. coefficient	±0.03%/°C(0-50°C)				
	Vibration	Component:10-500Hz, 2G 10min./1cycle, 60min, each along X,Y,Z axes;Mounting:Compliance to IEC60068				
	Safety standards	UL508, TUV EN60950-1 approved, NEC class 2 / LPS compliant				
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:	1.5KVAC O/P-FG:0.5KV/	AC .		
Safety & EMC	Is olation resistance	I/P-O/P, I/P-FG, O/P-FG:>	100M Ohms/500VDC 25°C	70%RH		
Salety & LIVIC	EMI conduction	Compliance to EN55011,E	EN55022 (CISPR22), EN61	204-3 Class B		
	Harmonic current	Compliance to EN61000-3	3-2,-3			
	FMC immunity	Compliance to EN61000-4	I-2, 3, 4, 5, 6, 8, 11, ENV50	0204, EN55024, EN61000-6-	2, EN61204-3, heavy	
	EMS immunity	industry level, criteria A				
	Mibf	301.7k hrs min, MIL-HDBI	K-217F(25°C)			
Others	Dimension	40x90x100mm(WxHxD)				
	Packing	0.3kg; 42pcs/13.6kg/0.82d	euft			

■ Mechanical Specification | Mechanical Specif



Din-Rail type switching power supplies

60W Single Output Industrial DIN Rail Power Supply (GDR-60)



GDR-60...

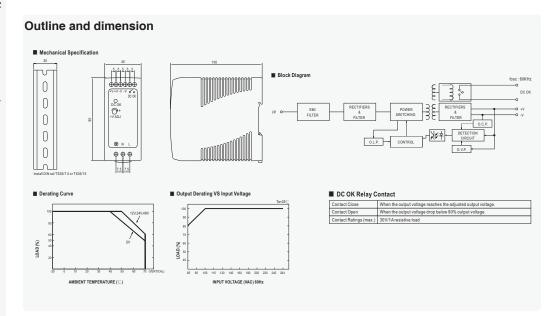
Feature

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- NEC class 2 / LPS compliant (24V,48V only)
- LED indicator for power on
- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 3 years warranty

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- Tolerance : includes set up tolerance, line regulation and load regulation.
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
- Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.

Model		GDR-60-5	GDR-60-12	GDR-60-24	GDR-60-48		
	DC Voltage	5V	12V	24V	48V		
	Rated Current	10A	5A	2.5A	1.25A		
	Current Range	0-10A	0-5A	0-2.5A	0-1.25A		
	Rated Power	50W	60W	60W	60W		
	Ripple & Noise	80mVp-p	120mVp-p	150mVp-p	200mVp-p		
Output	DC Voltage Adj.Range	5-6V	12-15V	24-30V	48-56V		
	Voltage Tolerance	±2.0%	±1.0%	±1.0%	±1.0%		
	Line Regulation	±1.0%	±1.0%	±1.0%	±1.0%		
	Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%		
	Setup, Rise Time	500ms, 30ms/230VAC 1	000ms, 30ms/115VAC a	t full load			
	Hold Up Time (Typ.)	50ms/230VAC 120-370V	/DC				
	Voltage Range	85-264VAC 120-370VD0	0				
	Frequency range	47-63Hz					
la acid	Efficiency	78%	86%	88%	87%		
Input	AC Current(Typ.)	1.8A/115VAC 1A/230VAC					
	Inrush current(Typ.)	Cold start 30A/115VAC 60A/230VAC					
	Leakage current	<1mA/240VAC					
	Over Load	105%~150% rated output power					
Protection	Over Load	Protection type: Constant current limiting, recovers automatically after fault condition is removed					
FIOLECTION	Over Voltage	6.25-7.25V	15.6-18V	31.2-36V	57.6-64.8V		
		Protection type: shut down o/p voltage, re-power on to recover					
Function	DC OK AC tive signal	Relay contact rating(max	x.):30V/1A resistive				
	Working temp.	-20-+70°C (Refer to out	put load derating curve)				
	Working humidity	20°C~90°C, RH non-condensing					
Environment	Storage Temp & Humidity	-40°C~+85°C, 10%~95 %RH					
	Temp. coefficient	±0.03%/°C(0-50°C)					
	Vibration	Component:10-500Hz, 2G 10min./1cycle, 60min, each along X,Y,Z axes;Mounting:Compliance to IEC60068					
	Safety standards	UL508, TUV EN60950-1 approved, NEC class 2 / LPS compliant(24V, 48V only)					
	Withstand Voltage	I/P-O/P:3KVAC I/P-F0	G:1.5KVAC O/P-FG:0.	5KVAC			
Safety & EMC	Is olation resistance	I/P-O/P, I/P-FG, O/P-FG:	:>100M Ohms/500VDC	25℃ 70%RH			
Salety & LIVIC	EMI conduction	Compliance to EN55011	,EN55022 (CISPR22), E	EN61204-3 Class B			
	Harmonic current	Compliance to EN61000)-3-2,-3				
	EMS immunity	Compliance to EN61000)-4-2, 3, 4, 5, 6, 8, 11, El	NV50204, EN55024, EN610	000-6-2, EN61204-3, heavy		
	,	industry level, criteria A					
	Mibf	299.2k hrs min, MIL-HDI	BK-217F(25°C)				
Others	Dimension	40x90x100mm(WxHxD)					
	Packing	0.33kg; 42pcs/14.8kg/0.8	82cuft				





Din-Rail type switching power supplies

30W Single Output Industrial DIN Rail Power Supply (HDR-30)



HDR-30...

Feature

- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- \bullet Isolation class $\, \mathbb{I} \,$
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty
- Dimensions: 78*93*56mm (W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HDR-30-5	HDR-30-12	HDR-30-15	HDR-30-24	
	DC Voltage	5V	12V	15V	24V	
	Voltage Tolerance	±2%	±1%	±1%	±1%	
	Rated Current	ЗА	2A	2A	1.5A	
	Current Range	0-3A	0-2A	0-2A	0-1.5A	
Output	Rated Power	15W	24W	30W	36W	
	Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
	DC Voltage Adj.Range	-5%, +10%	±10%	±10%	±10%	
	Setup,Rise,Hold Time	100ms,30ms/230VAC 100	ms,30ms/115VAC at full load	d		
	Voltage Range	85~264 VAC 47-63 Hz; selected by switch 120~370VDC				
lonut	AC Current	0.88 A/115 V 0.48A/ 230 V				
Input	Efficiency	74%	81%	82%	83%	
	Inrush Current	Cold start 15A/115V 30A/230V				
Protection	Over Load	105%~160% Protection t is removed	105%~160% Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	Over Voltage	115%~135% Protection t	ype: Shut down o/p voltage,	re-power on to recover		
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %F	RH			
Environment	Storage Temp & Humidity	-40°C~+85°C, 10%~95 %F	RH			
	Vibration	10~500Hz, 2G 10min/1cyd	cle, period for 60min, each a	long X, Y, Z axes		
0.11	Withstand Voltage	I/P-O/P: 3KVAC				
Safety	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC				
	Safety Standard	Design refer to UL60950-1	TUV EN60950-1,EN50178			
Standards	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11, ENV50204,EN55024,EN61000-6-2,EN61204-3				
Others	Weight	0.27Kg				
Outers	Packing	48pcs/14Kg/1.02CUFT				
	-					

Outline and dimension Terminal Pin No. Assignment Pin No. Assignment



Din-Rail type switching power supplies

45W Single Output Industrial DIN Rail Power Supply (HDR-45)



HDR-45...

Feature

- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz
- 3 years warranty
- Dimensions: 78*97*67mm (L*W*H)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HDR-45-5	HDR-45-12	HDR-45-15	HDR-45-24		
	DC Voltage	5V	12V	15V	24V		
0.1.1	Voltage Tolerance	±2%	±1%	±1%	±1%		
	Rated Current	5A	3.5A	2.8A	2A		
	Current Range	0-5A	0-3.5A	0-2.8A	0-2A		
Output	Rated Power	25W	42W	42W	48W		
	Ripple & Noise	100mVp-p	200mVp-p	240mVp-p	480mVp-p		
	DC Voltage Adj.Range	4.75-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V		
	Setup,Rise,Hold Time	800ms,60ms, 100ms/230\	/AC at full load				
	Voltage Range	85~264 VAC 47-63 Hz;sele	ected by switch120~370VD	2			
	AC Current	1.5 A/115 V 0.75A/ 230 V					
Input	Efficiency	72%	77%	77%	80%		
	Inrush Current	Cold start 28A/115V 56A/230V					
	Leakage Current	<1mA/240VAC					
	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed					
Protection	Over Voltage	115%~135% Protection type: Shut down o/p voltage, re-power on to recover					
	Over Temperature	Tj 135 typically (U1) Detect on heat sink of power transistor, shut down o/p voltage, recovers automatically after temperature goes down					
	Working Temp & Humidity	-10°C~+50°C, 20%~90 %F	RH				
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %F	RH				
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes					
0.4.	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG:	1.5KVAC O/P-FG: 0.5KVA	C			
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 1	00M Ohms / 500VDC				
	Safety Standard	Design refer to UL508,TU\	/ EN60950-1				
Standards	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204, EN55024,EN61000-6-2					
Othore	Weight	0.31Kg					
Others	Packing	48pcs/16.1Kg/1.3CUFT					

Outline and dimension Terminal Pin No. Assignment Pin No. In Decoration Pin No. In



Din-Rail type switching power supplies

60W Single Output Industrial DIN Rail Power Supply (HDR-60)



HDR-60...

Feature

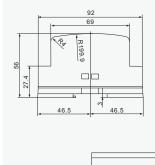
- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- \bullet Isolation class $\, \mathbb{I} \,$
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty
- Dimensions: 78*93*56mm (W*H*D)

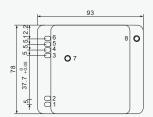
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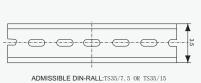
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HDR-60-5	HDR-60-12	HDR-60-15	HDR-60-24	
	DC Voltage	5V	12V	15V	24V	
	Voltage Tolerance	±2%	±1%	±1%	±1%	
	Rated Current	6.5A	4.5A	4A	2.5A	
	Current Range	0-6.5A	0-4.5A	0-4A	0-2.5A	
Output	Rated Power	32.5W	54W	60W	60W	
	Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
	DC Voltage Adj.Range	-5%, +10%	-8%, +10%	±10%	±10%	
	Setup,Rise,Hold Time	100ms,30ms/230VAC at fu	ull load 200ms,30ms/115VA	C at full load		
	Hoid time	100ms/230VAC 23ms/115	VAC at full load			
	Voltage Range	88~264 VAC 47-63 Hz; selected by switch 124~370VDC				
loout	AC Current	1.2A/115 V 0.8A/ 230 V				
Input	Efficiency	76%	82%	83%	81%	
	Inrush Current	Cold start 20A/115V 40A/230V				
Protection	Over Load	105%~160% Protection type: Constant current limiting, recovers automatically after fault condition is removed				
Trotootion	Over Voltage	115%~135% Protection type: Shut down o/p voltage, re-power on to recover				
	Working Temp & Humidity	-20°C~+60°C, 20%~90 %RH				
Environment	Storage Temp & Humidity	-40°C~+85°C, 10%~95 %RH				
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes				
0.1.	Withstand Voltage	I/P-O/P: 3KVAC				
Safety	Isolation Resistance	I/P-O/P: 100M Ohms / 500	OVDC			
	Safety Standard	Design refer to UL60950-1	,TUV EN60950-1,EN50178	ļ		
Standards	EMC Standard	Design refer to EN55011,E 00-6-2, EN61204-3	EN55022,EN61000-3-2,-3,E	N61000-4-2,3,4,5,6,8,11,EN	IV50204,EN55024,EN610	
Others	Weight	0.3Kg				
Outers	Packing	48pcs/15.4Kg/1.02CUFT				

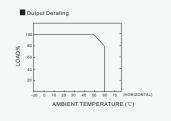
Outline and dimension













Din-Rail type switching power supplies

75W Single Output Industrial DIN Rail Power Supply (HDR-75)



HDR-75...

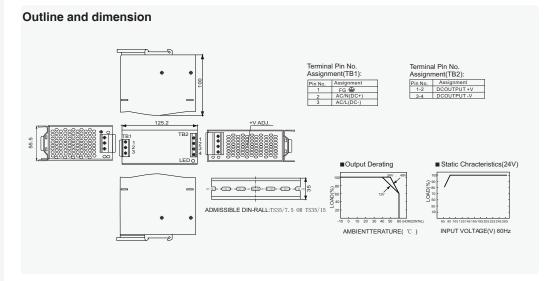
Feature

- Universal AC input/ full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS_3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 50KHz
- 3 years warranty
- Dimensions: 55.5*125.2*100mm (W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

	HDR-75-12	HDR-75-24	HDR-75-48		
DC Voltage	12V	24V	48V		
Voltage Tolerance	±2%	±1%	±1%		
Rated Current	6.3A	3.2A	1.6A		
Current Range	0-6.3A	0-3.2A	0-1.6A		
Rated Power	76W	76.8W	76.8W		
Ripple & Noise	100mVp-p	150mVp-p	240mVp-p		
DC Voltage Adj.Range	17%	17%	10%		
Setup,Rise,Hold Time	1000ms,60ms/230VAC at full load 1	800ms,60ms/115VAC at full load			
Hoid time	60ms/230VAC 12ms/115VAC at full	load			
Voltage Range	85~264 VAC selected by switch 47-63 Hz; 120~370VDC				
AC Current	1.6 A/115 V 0.96A/ 230 V				
Efficiency	76%	80%	81%		
Inrush Current	Cold start 20A/115V 40A/230V				
Over Load	105%-150% Protection type: Constant current limiting, recovers automatically after fault condition is removed				
Over Voltage	120%~140% Protection type: Hiccup mode, recovers automatically after fault condition is removed				
Over Temperature	$TSW1 {\ge} 85^{\circ}\!C \pm 5, Protection\ type: Shut\ down\ o/p\ voltage,\ recovers\ automatically\ after\ temperature\ goes\ down\ o/p\ voltage\ o/p\ voltag$				
Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH				
Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH				
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes				
Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC	O/P-FG: 0.5KVAC			
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC				
Safety Standard	Design refer to UL508,TUV EN6095	50-1			
EMC Standard	EN55011,EN55022,EN61000-3-2,-3	3,EN61000-4-2,3,4,5,6,8,11,ENV502	04,EN55024,EN61000-6-2		
Weight	0.6Kg				
	20pcs/13Kg/1.1CUFT				
	Voltage Tolerance Rated Current Current Range Rated Power Ripple & Noise DC Voltage Adj.Range Setup,Rise,Hold Time Hoid time Voltage Range AC Current Efficiency Inrush Current Over Load Over Voltage Over Temperature Working Temp & Humidity Vibration Withstand Voltage Isolation Resistance Safety Standard EMC Standard	DC Voltage 12V Voltage Tolerance ±2% Rated Current 6.3A Current Range 0-6.3A Rated Power 76W Ripple & Noise 100mVp-p DC Voltage Adj.Range 17% Setup,Rise,Hold Time 1000ms,60ms/230VAC at full load 1 Hoid time 60ms/230VAC 12ms/115VAC at full Voltage Range 85~264 VAC selected by switch 47- AC Current 1.6 A/115 V 0.96A/ 230 V Efficiency 76% Inrush Current Cold start 20A/115V 40A/230V Over Load 105%~150% Protection type: Consensed Over Voltage 120%~140% Protection type: Hicc Over Voltage 120%~140% Protection type: SR Working Temp & Humidity -10°C~+60°C, 20%~90 %RH Storage Temp & Humidity -20°C~+85°C, 10%~95 %RH Vibration 10~500Hz, 2G 10min./1cycle, perio Withstand Voltage I/P-O/P: 3KVAC I/P-FG: 1.5KVAC Isolation Resistance I/P-O/P-FG, 0/P-FG: 100M Ohn Safety Standard Design refer to UL508, TUV EN6098 EMC Standard EN55011, EN55022, EN	DC Voltage 12V 24V Voltage Tolerance ±2% ±1% Rated Current 6.3A 3.2A Current Range 0-6.3A 0-3.2A Rated Power 76.8W 76.8W Ripple & Noise 100mVp-p 150mVp-p DC Voltage Adj.Range 17% 17% Setup,Rise,Hold Time 1000ms,60ms/230VAC at full load 1800ms,60ms/115VAC at full load Voltage Range 85~264 VAC selected by switch 47-63 Hz; 120~370VDC AC Current 1.6 A/115 V 0.96A/ 230 V Efficiency 76% 80% Inrush Current Cold start 20A/115V 40A/230V Over Load 105%~150% Protection type: Constant current limiting, recovers autom removed Over Voltage 120%~140% Protection type: Hiccup mode, recovers automatically after the converse auto		





Din-Rail type switching power supplies

120W Single Output Industrial DIN Rail Power Supply (HDR-120)



HDR-120...

Feature

- Universal AC input / full range
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switch frequency at 55KHz
- 3 years warranty
- Dimensions: 65.5*125.2*100mm (W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HDR-120-12	HDR-120-24	HDR-120-48			
	DC Voltage	12V	24V	48V			
	Voltage Tolerance	±2%	±1%	±1%			
	Rated Current	10A	5A	2.5A			
	Current Range	0-10A	0-5A	0-2.5A			
Output	Rated Power	120W	120W	120W			
	Ripple & Noise	80mVp-p	80mVp-p	100mVp-p			
	DC Voltage Adj.Range	12-14V	24-28V	48-53V			
	Setup,Rise Time	500ms,70ms/230VAC at full load 50	0ms,70ms/115VAC at full load				
	Hoid time	36ms/230VAC 32ms/115VAC at fu	36ms/230VAC 32ms/115VAC at full load				
	Voltage Range	88~132 VAC/176~264VAC 47-63 Hz;selected by 248~370VDC					
lament	AC Current	2.6 A/115 V 1.6A/ 230 V					
Input	Efficiency	80%	84%	85%			
	Inrush Current	Cold start 20A/115V 40A/230V	Cold start 20A/115V 40A/230V				
	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed					
Protection	Over Voltage	120%~135% Protection type: Shut down o/p voltage, re-power on to recover					
	0	85°C±5°C(TSW1)	90°C±5°C(TSW1)	90°C ±5°C(TSW1)			
	Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down					
	Working Temp & Humidity	-10°C~+60°C, 20%~90 %RH					
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH					
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes					
0.4.	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC					
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC					
	Safety Standard	Design refer to UL508,UL60950-1,	TUV EN60950-1				
Standards	EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11, ENV50204,EN55024, EN61000-6-2(EN50082-2)					
Others	Weight	0.79Kg					
Outers	Packing	20pcs/16.5Kg/1.1CUFT					

Terminal Pin No. Assignment(TB1): | Pin No. | Assignment | Terminal Pin No. | T



Din-Rail type switching power supplies

240W Single Output Industrial DIN Rail Power Supply (HDR-240)



HDR-240...

Feature

- Universal AC input/ full range
- Built-in active PFC function
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-3.5/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz
- 3 years warranty
- Dimentsions: 125.5*125.2*100mm (W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model	_	HDR-240-24	HDR-240-48	
	DC Voltage	24V	48V	
	Voltage Tolerance	±1%	±1%	
	Rated Current	10A	5A	
Output	Current Range	0-10A	0-5A	
Output	Rated Power	240W	240W	
	Ripple & Noise	80mVp-p	150mVp-p	
	DC Voltage Adj.Range	24-28V	48-53V	
	Setup,Rise,Hold Time	800ms, 40ms/230VAC at full load 800ms, 40ms/115VA	AC at full load	
	Voltage Range	88~264VAC 47-63 Hz, selected by switch 120~370VD	С	
lamut	AC Current	2.8A/115 V 1.4A/ 230V		
Input	Efficiency	84%	85%	
	Inrush Current	Cold start 27A/115V 45A/230V		
	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed		
	Over Veltere	30-36V	54-60V	
Protection	Over Voltage	Protection type: Shut down o/p voltage, re-power on to recover		
	Over Temperature	100°C±5°C(TSW1)		
	Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
	Working Temp & Humidity	-10°C~+70°C, 20%~90 %RH		
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH		
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each a	along X, Y, Z axes	
0.1.	Withstand Voltage	I/P-O/P: 3KVAC		
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC		
	Safety Standard	Design refer to UL508,UL60950-1, TUV EN60950-1		
Standards	EMC Standard	EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2(EN500 82-2)		
Others	Weight	1.2Kg		
Outers	Packing	12pcs/15.5Kg/1.2CUFT		
	-			

Outline and dimension Terminal Pin No. Assignment(TB1) Pin No. Assignment(TB2) Admissible Din-Rall-TS35/7.5 0R TS35/15 Admissible Din-Rall-TS35/7.5 0R TS35/15 Ambient Terature(°C) INPUT VOLTAGE (V)60Hz



Din-Rail type switching power supplies

480W Single Output Industrial DIN Rail Power Supply (HDR-480)



HDR-480...

Feature

- High efficiency(89%), low dissipation
- Built-in passive PFC function compli ance to EN61000-3-2
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- LED indicator for power on
- 100% full load burn-in test
- EN61000-6-2(EN50082-2) industrial immunity level
- 3 years warranty
- Dimensions: 227*125.2*100mm(W*H*D)

Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- \bullet Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ f parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Model		HDR-480-24	HDR-480-48		
	DC Voltage	24V	48V		
	Voltage Tolerance	±1%	±1%		
	Rated Current	20A	10A		
	Current Range	0-20A	0-10A		
Output	Rated Power	480W	480W		
	Ripple & Noise	120mVp-p	120mVp-p		
	DC Voltage Adj.Range	24-28V	48-53V		
	Setup,Rise Time	1200ms,40ms/230VAC at full load			
	Hold time	16ms/230VAC			
	Voltage Range	180~264VAC 47-63 Hz;250~370VDC			
Innut	AC Current	4A/ 230 V			
Input	Efficiency	89%	89%		
	Inrush Current	Cold start 40A/230V			
	Over Load	105%~150% Protection type: Constant current limiting, recovers automatically after fault condition is removed			
	0 1/1	30-36V	54-60V		
Protection	Over Voltage	Protection type: Shut down o/p voltage, re-power on to	recover		
	Over Temperature	100℃±5℃(TSW)			
	Over remperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down			
	Working Temp & Humidity	-20°C~+70°C, 20%~90 %RH			
Environment	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH			
	Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes			
0-4-4	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5K	I/P-O/P: 3KVAC		
Safety	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC			
Otavadavda	Safety Standard	Design refer to UL508,UL60950-1 TUV EN60950-1			
Standards	EMC Standard	EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,I	ENV50204,EN55024,EN61000-6-2(EN50082-2)		
Others	Weight	2.4Kg			
Others	Packing	6pcs/15Kg/1.75CUFT			

Outline and dimension Output Derating VS Input Voltage Inpu