

320W Single Output Switching Power Supply



GS-320...

Feature

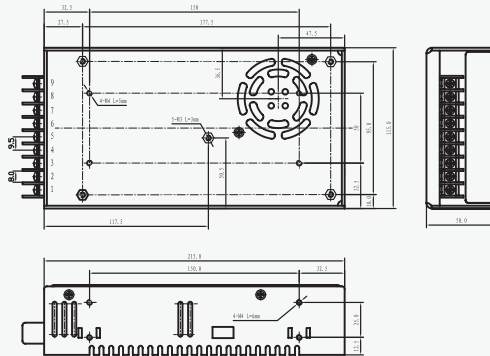
- High efficiency, high reliability
- AC input range selected by switch
- 100% full load burn-in test
- Protection:
 Short circuit/ Over load /Over voltage
- Forced air cooling by built in DC fan
- Cooling Fan ON-OFF auto control
- Fixed switching frequency at 90KHz
- 2 years warranty
- Dimensions: 215*115*50mm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

Notes:

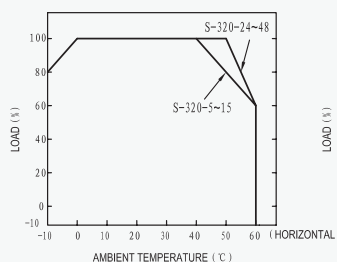
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.
- Each output can within current range. But total output 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	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		
Output	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	
	Current Range	0-50A	0-36A	0-25A	0-22A	0-20A	0-12.5A	0-11A	0-6.5A	
	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								
Input	Voltage Range	88~132 VAC/176~264VAC 47~63 Hz; Auto swiched 248~370VDC								
	AC Current	6A/115 V 3.5A/ 230 V								
	Efficiency	77%/	80%	82%	83%	84%	86%	86%	87%	
	Inrush Current	Cold start 20A/115V 40A/230V								
	Leakage Current	<3.5mA/240VAC								
Protection	Over Load	105%~135% Protection type: shut down o/p voltage, recovers automatically after fault condition is removed								
	Over Voltage	115%~135% Protection type: hiccup mode, recovers automatically after fault condition is removed								
	Fan Control	RT1 ≥ 65°C FAN ON, ≤ 55°C FAN OFF, ≥ 70°C output shutdown(5~15V) RT1 ≥ 70°C FAN ON, ≤ 65°C FAN OFF, ≥ 80°C output shutdown(24~48V)								
Environment	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								
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 /500VDC								
	Safety Standard	Design refer to UL1950								
Standards	EMC Standard	Design refer to EN55022, EN55024, EN61000								
	Weight	1.08Kg								
Others	Packing	12pcs/13.8Kgs/0.98CUFT								

Outline and dimension



Derating Curve



Static Characteristics

