

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)

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.

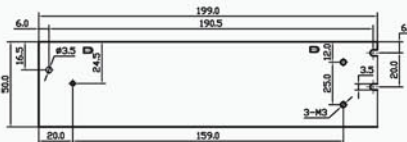
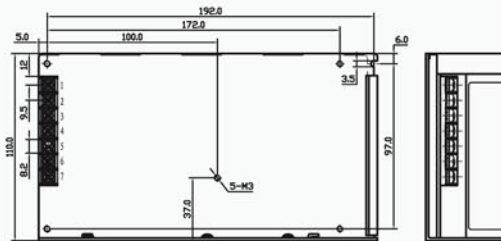
- Each output can within current range. But total output power can't exceed rated load

- 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-150-5	GS-150-9	GS-150-12	GS-150-13.5	GS-150-15	GS-150-24	GS-150-27	GS-150-48	
Output	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
	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,50ms,20ms at full load							
Input	Voltage Range	88-132 VAC/176-264VAC 47-63Hz; selected by switch 248-370VDC							
	AC Current	3.2A/115 V 1.6A/ 230 V							
	Efficiency	78%/	80%	82%	83%	84%	85%	86%	87%
	Inrush Current	Cold start 35A/230VAC							
	Leakage Current	<3.5mA/240VAC							
Protection	Over Load	110%~160% Protection type: Shut down o/p voltage, re-power on to recover							
	Over Voltage	115%~135% Protection type: Shut down o/p voltage, re-power on to recover							
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							
Standards	Safety Standard	Design refer to UL1012, 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	0.8Kg							
	Packing	14pcs/13.8Kg/0.95CUFT							

1

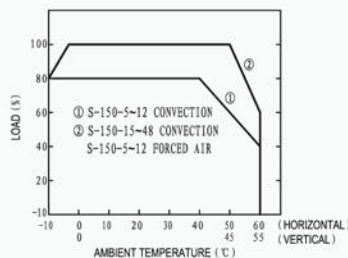
Outline and dimension



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4, 5	DC OUTPUT -V
2	AC/N	6, 7	DC OUTPUT +V
3	FG		

Derating Curve



Static Characteristics(24V)

