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℃ of ambient temperature.

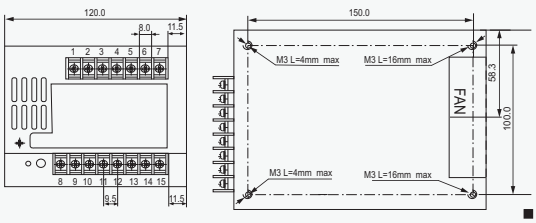
- Ripple & noise are measured at 20MHz of bandwidth by using a 12'' twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.

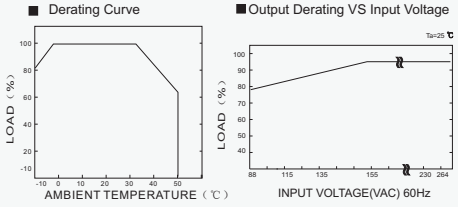
- Each output can within current range. But total output power can't exceed rated load

- 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		GSP-500 -12	GSP-500 -13.5	GSP-500 -15	GSP-500 -24	GSP-500 -27	GSP-500 -48
Output	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
	Current Range	0-40A	0-36A	0-32A	0-20A	0-18A	0-10A
	Rated Power	480W	486W	480W	480W	486W	480W
	Ripple & Noise	240mVp-p				200mVp-p	300mVp-p
	DC Voltage adi.Range	-16%,+10%	-12%,+15%	-10%,+20%	-165,+10%	-12%,+11%	-15%,+16%
	Setup,Rise,Hold Time	1.5s,50ms,20ms at full load					
Input	Voltage Range	88~264 VAC 47~63 Hz;124~370VDC					
	Power Factor	PF>0.95/230VAC PF>0.95/115VAC at full load					
	AC Current	7A/115 V 3.5A/ 230 V					
	Efficiency	84%	84%	83%	85.5%	86.5%	87%
	Inrush Current	18A/115V 36A/230V					
	Leakage Current	<3.5mA/240VAC					
Protection	Over Load	105%~135%					
		Protection type: Fold back current limiting, recovers automatically after fault condition isremoved.					
	Over Voltage	115%~135%					
		Protection type: hiccup mode, recovers automatically after fault condition is removed.					
	FAN Control O.T.P	RTH1 OR RTH2≤50℃ FAN ON, 45℃ FAN OFF, ≥70℃ output shutdown					
Environment	Working Temp & Humidity	-10℃+50℃;20%~90 %RH					
	Storage Temp & Humidity	-20℃+85℃; 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					
Others	Weight	1.9Kg					
	Packing	8pcs/15.2kg/1.06CUFT					

Outline and dimension



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4、5	NC	8	+S	15	-S
2	AC/N	6	R C G	9-11	DC OUTPUT +V		
3	FG ⏚	7	R C	12-14	DC OUTPUT -V