



Features:

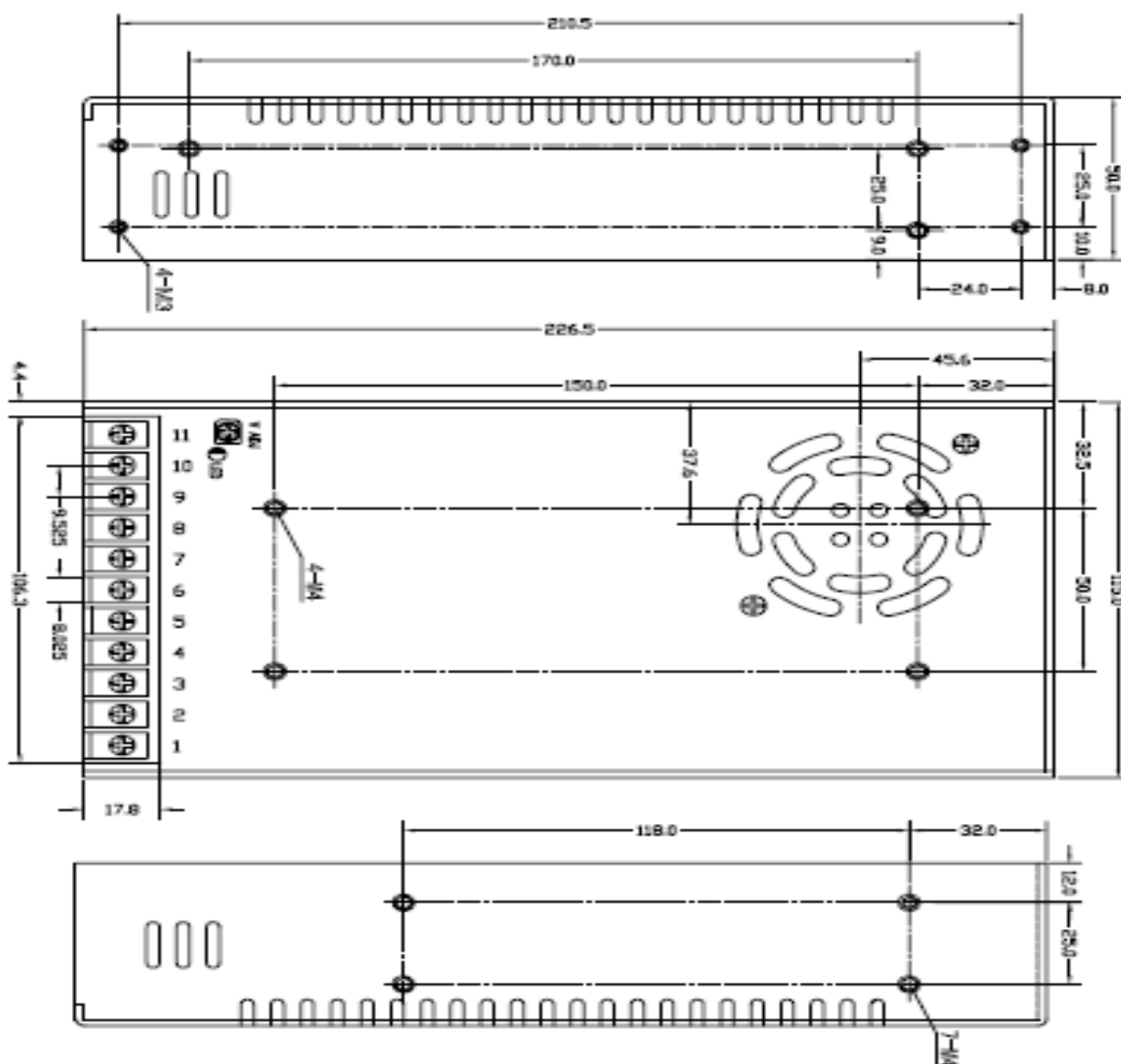
- Universal AC input/ Full range
- High Efficiency, and High reliability
- Output protections: SCP/OVP/OPP/OLP/OTP
- Wide operating ambient temperature (0℃~45℃)
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

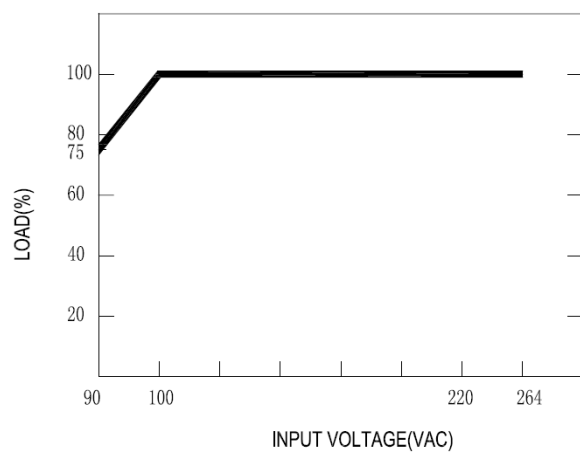
MODEL		GPF-U300S5	GPF-U300S12	GPF-U300S15	GPF-U300S24	GPF-U300S48
OUTPUT	DC Output	5.0V	12V	15V	24V	48V
	Rated Current	50A	16.7A	19A	12.5A	4.2A
	Current Range Note 1	0~50A	0~16.7A	0~19A	0~12.5A	0~4.2A
	Ripple and Noise Note 2	150mV	100mV	150mV	240mV	250mV
	Voltage ADJ. Range	4.75V~5.25V	11.4V~13.2V	13.5V~16.5V	20V~28V	45.6V~52.8V
	Voltage Accuracy	±3.0%	±2.0%	±3.0%	±3.0%	±1.0%
	Line Regulation	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%
	Load Regulation	±2.0%	±0.5%	±2.0%	±2.0%	±0.5%
	Set-up Time	< 4.0S (230Vac input, Full load); < 2.0S (230Vac input, Full load)				
	Hold up Time	> 20mS(230Vac input, Full load)				
	Temperature Coefficient	±0.03%/℃				
	Overshoot and Undershoot	<5.0%				
INPUT	Voltage Range	90Vac~264Vac				
	Frequency Range	47Hz~63Hz				
	Power Factor(Typical)	PF>0.99/115VAC PF>0.98/230VAC				
	Efficiency (Typical)	72%	79%	78%	82%	85%
	AC Current (max.)	4.0A/110VAC 2.0A/230VAC				
	Inrush Current (Typical)	15A@115Vac;30A@230Vac Cold start				
	Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA				
PROTECTION	Over Power	105%~140% of rated output current, auto recovery				
	Over Current	105%~140% of rated output current, auto recovery				
	Over Temperature	Shut down				
	Over Voltage	105%~150% of rated output voltage, shut down				
	Shorted Circuit	auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-10℃~60℃; 20%~90%RH No condensing				
	Storage Temp. & Hum.	-20℃~85℃; 10%~95%RH No condensing				
SAFETY & EMC (Note 3)	Safety Standards	GB4943-2001; EN60950-1: 2006				
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA.				
	Isolation Resistance	≥100M ohms				
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB				
	Harmonic Current	Compliance to EN61000-3-2,17625.1-2003				
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA				
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25℃, Full load)				
	Dimension (L*W*H)	226×115×50mm				
	Packing	10PCS/CTN, G.W:14.5kgs				
	Cooling method	Cooling by free air convection				
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.					

Mechanical Specification

Unit: mm



Derating Curve



Pin No.	Assignment
1	AC-L
2	AC-N
3	F.G
4.5.6.7	DC output -V
8.9.10.11	DC output +V