Features:

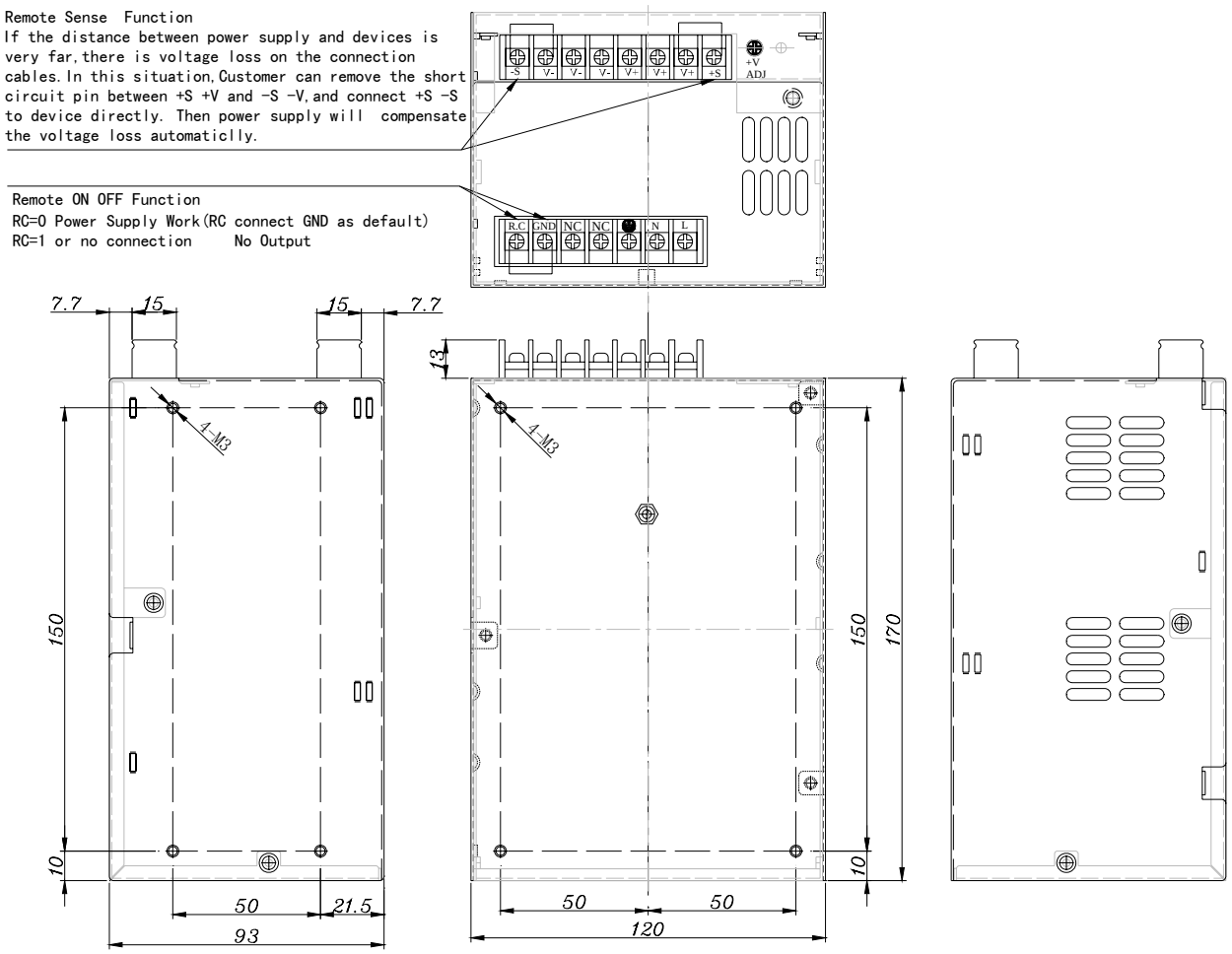
- Universal AC input/ Full range
- Built-in active PFC function,PF>0.95
- Built-in cooling Fan ON-OFF control
- Output protections: OLP/OVP/OTP/SCP
- All using 105℃ long life electrolytic capacitors.
- Build-in remote sense function
- Build-in remote ON-OFF control
- 3 years warranty

SPECIFICATION

MODEL			GPF-U500S12	GPF-U500S15	GPF-U500S24	GPF-U500S27.5	GPF-U500S48
OUTPUT	DC Output		12V	15	24V	27.5V	48V
	Rated Current		40A	33A	20A	18A	10A
	Current Range Note 1		0~40A	0~33A	0~20A	0~18A	0~10A
	Ripple and Noise Note 2		120mV	150mV	240mV	270mV	480mV
	Voltage ADJ. Range		11.2V-14.2V	13.0V-17.0V	21.6V-26.4V	22.0V-33.0V	40V-50V
	Voltage Accuracy		±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	Line Regulation		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Load Regulation		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Set-up Time		＜4.0S (115Vac 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＞0.95/230VAC				
	Efficiency (Typical)	115Vacinput	78%	80%	81%	80%	82%
		230Vacinput	82%	82%	86%	86%	85%
	AC Current (max.)		7.3A	7.5A	7.5A	7.5A	7.3A
	Inrush Current (Typical)		<20A@115Vac <40A@230Vac Cold start				
	Leakage Current		Input—output:<0.25mA Input—PG:<3.5mA				
PROTECTION	Over Load		105%~140% of rated output current, constant current limiting,auto recover				
	Over Voltage		115%~150% of rated output voltage, shut down				
	Over Temperature		95℃±5℃(detect on heatsink of power transistor);shut down,auto recover after the temperature goes down				
	Fan ON/OFF Control		Output load>55% rating or inside temperature >65℃, FAN ON				
ENVIRONMENT	Operating amb. Temp. & Hum.		-10℃~60℃; 20%~90%RH No condensing(refer to the derating curve)				
	Storage Temp. & Hum.		-25℃~85℃; 10%~95%RH No condensing				
SAFETY&EMC Note 3	Safety Standards		UL60950-1; EN60950-1：2006				
	Withstand Voltage		Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC;≤10mA.				
	Isolation Resistance		≥50M ohms				
	EMI Conduction&Radiation		Compliance to EN55022 ClassA				
	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, criteria A				
OTHERS	MTBF (MIL-HDBK-217F)		More than 100,000Hrs (25℃, Full load)				
	Dimension (L*W*H)		170×117×94mm				
	Packing		6PCS/CTN, G.W:13.2kgs				
	Cooling method		Cooling by forced air (built-in DC fan)				
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