

■ Features:

- ✓ AC input range selectable by switch
- ✓ High Efficiency, and High reliability
- ✓ Output protections: SCP/OVP/OPP/OLP
- ✓ Wide operating ambient temperature (-20°C~60°C)
- ✓ All using 105°C long life electrolytic capacitors.
- ✓ 100% full load burn-in test
- ✓ 1 year warranty

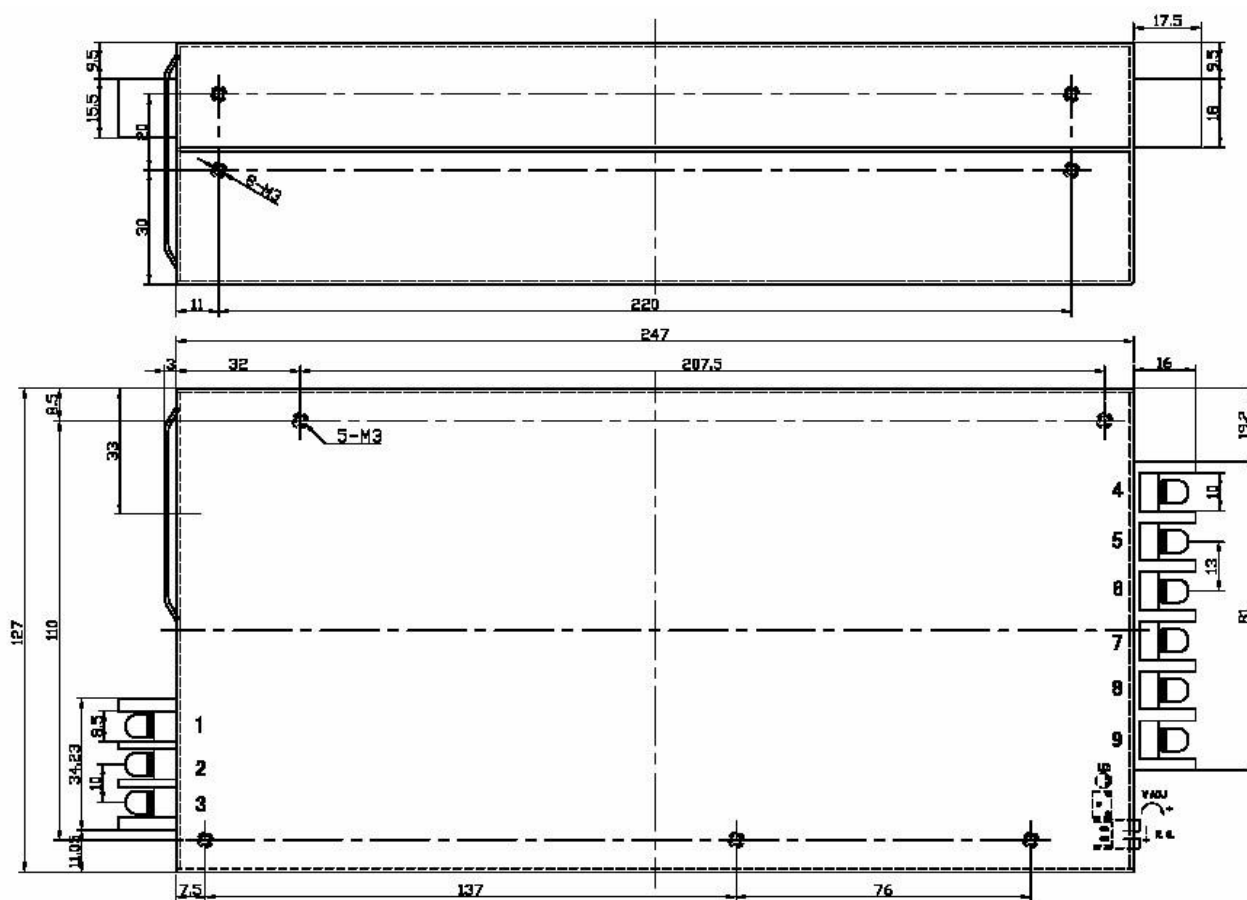


■ SPECIFICATION

MODEL			PD-600-5	PD-600-12	PD-600-15	PD-600-24	PD-600-27	PD-600-48
OUTPUT	DC Output		5V	12V	15V	24V	27V	48V
	Rated Current		100A	50A	40A	25A	22.2A	12.5A
	Current Range	Note 2	0~100A	0~50A	0~40A	0~25A	0~22.2A	0~12.5A
	Ripple and Noise		Note 3					
	Voltage ADJ. Range		±5% of rated output voltage					
	Voltage Accuracy		±2.0%					
	Line Regulation		±0.5%					
	Load Regulation		±2.0%					
	Set-up Time		<=2.0S (120Vac input, Full load); <=2.0S (230Vac input, Full load)					
	Hold up Time	120Vac	>=14mS	>=20mS	>=14mS	>=20mS	>=20mS	>=20mS
		230Vac	>=16mS	>=20mS	>=16mS	>=20mS	>=20mS	>=20mS
	Temperature Coefficient		±0.03%/°C					
Overshoot and Undershoot		<5.0%						
INPUT	Voltage Range		Note 2					
	Frequency Range		47Hz~63Hz					
	Efficiency (Typical)		76%	81%	82%	83%	84%	86%
	AC Current (max.)		11.0A	12.0A	12.0A	12.0A	12.0A	12.0A
	Inrush Current (Typical)		30A@120Vac; 50A@230Vac Cold start					
	Leakage Current		<3.5mA					
PROTECTION	Over Current		105%~125% of rated output current, Auto-recovery					
	Over Voltage		120%~150% of rated output voltage, Auto-recovery					
	Shorted Circuit		Long-term mode, auto-recovery					
ENVIRONMENT	Operating amb. Temp. & Hum.		-20°C-60°C 20%~90%RH No condensing					
	Storage Temp. & Hum.		-40°C-85°C 10%~95%RH No condensing					
SAFETY & EMC Note 4	Safety Standards		UL60950-1					
	Withstand Voltage		Primary-Secondary:3.0KVac; Primary-PG:1.5KVac; Secondary-PG:0.5KVDC					
	Isolation Resistance		100M ohms					
	EMC standards		EN55022 Class B;EN-61000-3-2,3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN61000-6-2					
OTHERS	MTBF (MIL-HDBK-217F)		100,000Hrs (25°C Full load)					
	Dimension (L*W*H)		247×127×63.5mm					
	Connection		Input: 3P/8.525mm terminal block; Output: 6P/9.525mm terminal block					
	Cooling method		Forced air cooling by built-in DC fan.					
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°Cof ambient temperature. 2. De-rating according to operating ambient temperature and input AC voltage, Please check the de-rating curve for more details information. 3. Measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 4. 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.							

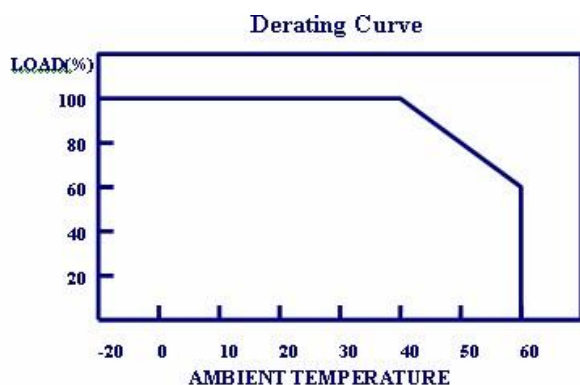
■ Mechanical Specification

Unit: mm



Pin No.	Assignment	Pin No.	Assignment
1	AC-N	4/5/6	DC output +V
2	AC-L	7/8/9	DC output -V
3	F.G		

■ Output load V.S. Ambient Temperature



- **Output load V.S. Input AC Voltage**

