


**Features:**

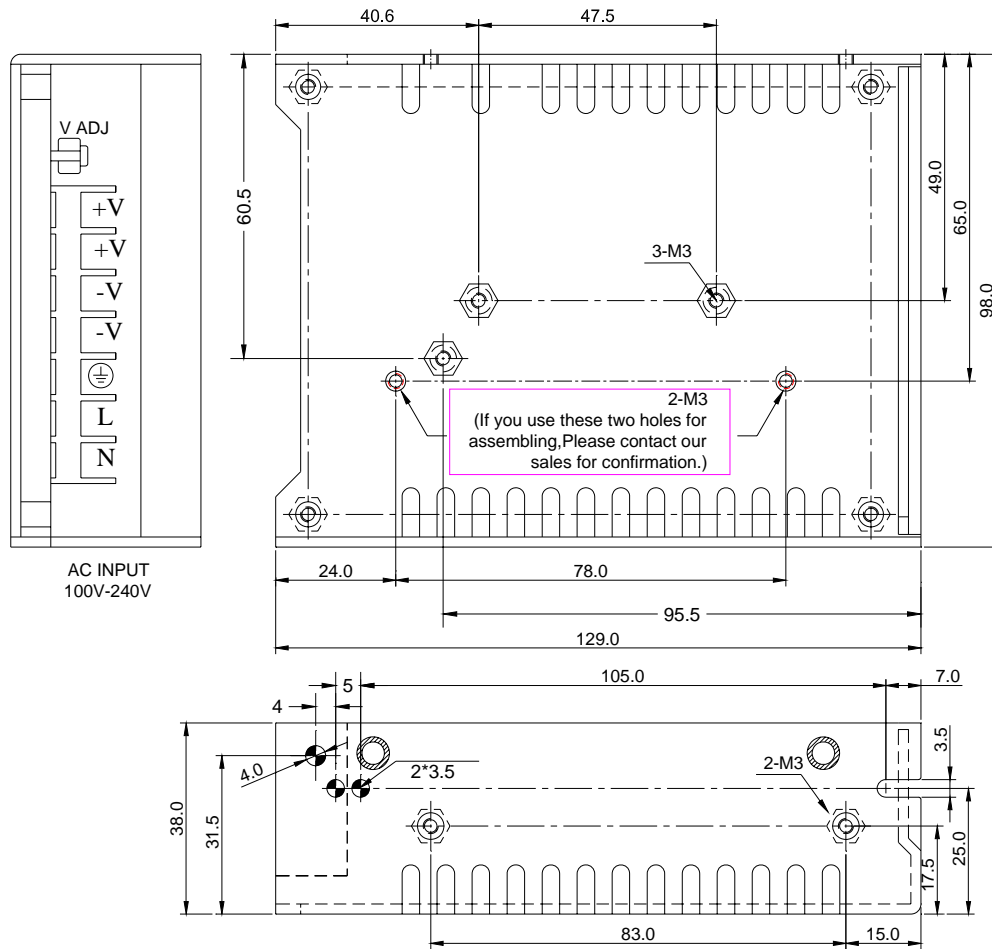
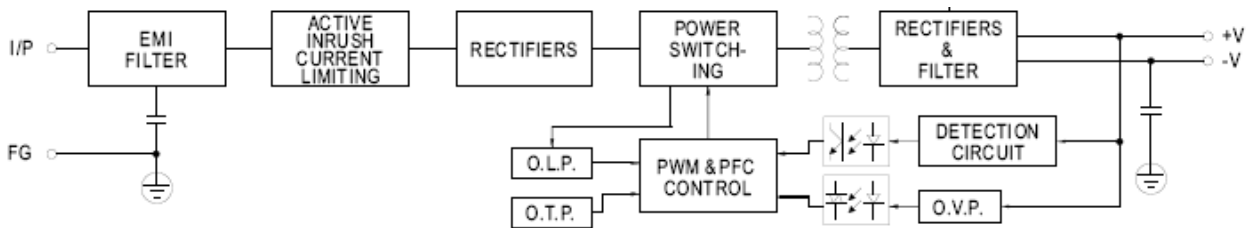
- Universal AC input/ Full range
- High Efficiency, and High reliability
- Output protections: OLP/OVP/SCP
- Wide operating ambient temperature (-20°C~70°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 3 years warranty

**SPECIFICATION**

MODEL		PD-60-5	PD-60-12	PD-60-15	PD-60-24	PD-60-48	
OUTPUT	DC Output	5.0V	12.0V	15.0V	24.0V	48.0V	
	Rated Current	12A	5A	4.0A	2.5A	1.25A	
	Current Range	Note 1	0~12A	0~5.0A	0~4.0A	0~2.5A	0~1.25A
	Ripple and Noise	0~55°C	50mV	120mV	120mV	120mV	240mV
		Note 2 -10°C	100mV	120mV	120mV	120mV	240 mV
	Voltage ADJ. Range	4.2V-5.8V	10.8V-13.2V	13.5V-16.5V	21.5V-25.8V	45V-52V	
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	Load Regulation	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	
	Set-up Time	<2S (115Vac input, Full load); <1.0S (230Vac input, Full load)					
	Hold up Time	>10mS(115Vac input, Full load); >20mS(230Vac input, Full load)					
	Temperature Coefficient	±0.03%/°C					
Overshoot and Undershoot	<5.0%						
INPUT	Voltage Range	88Vac~264Vac					
	Frequency Range	47Hz~63Hz					
	Efficiency ( Typical)	83%	80%	80%	80%	83%	
	AC Current (max.)	1.6A	1.6A	1.5A	1.5A	1.45A	
	Inrush Current (Typical)	20A@115Vac	40A@230Vac	Cold start			
	Leakage Current	<0.25Ma@115Vac		<3.5mA@230Vac			
PROTECTION	Over Load	105%~150% of rated output current, hiccup mode, auto recovery					
	Over Voltage	110%~125% of rated output voltage, shut down(48V) 12%~150 of rated output voltage, shut down(5V), 110%~140% of rated output voltage, shut down(15V,24V), 110%~133% of rated output voltage, shut down(12V),					
		Short Circuit					
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~70°C; 20%~90%RH No condensing((refer to the derating curve)					
	Storage Temp. & Hum.	-40°C~85°C; 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	≥100M ohms					
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB					
	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°C , Full load)					
	Dimension (L*W*H)	129×98×38mm					
	Packing	30PCS/CTN, 14.2KGS, 0.044CBM					
	Cooling method	Cooling by free air convection					
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.</li> <li>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 47uF parallel capacitor.</li> <li>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.</li> </ol>						

**Mechanical Specification**

Unit::mm


**Block Diagram**

**Derating Curve**
