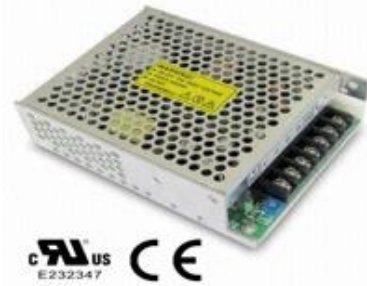


■ Features:

- ✓ 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

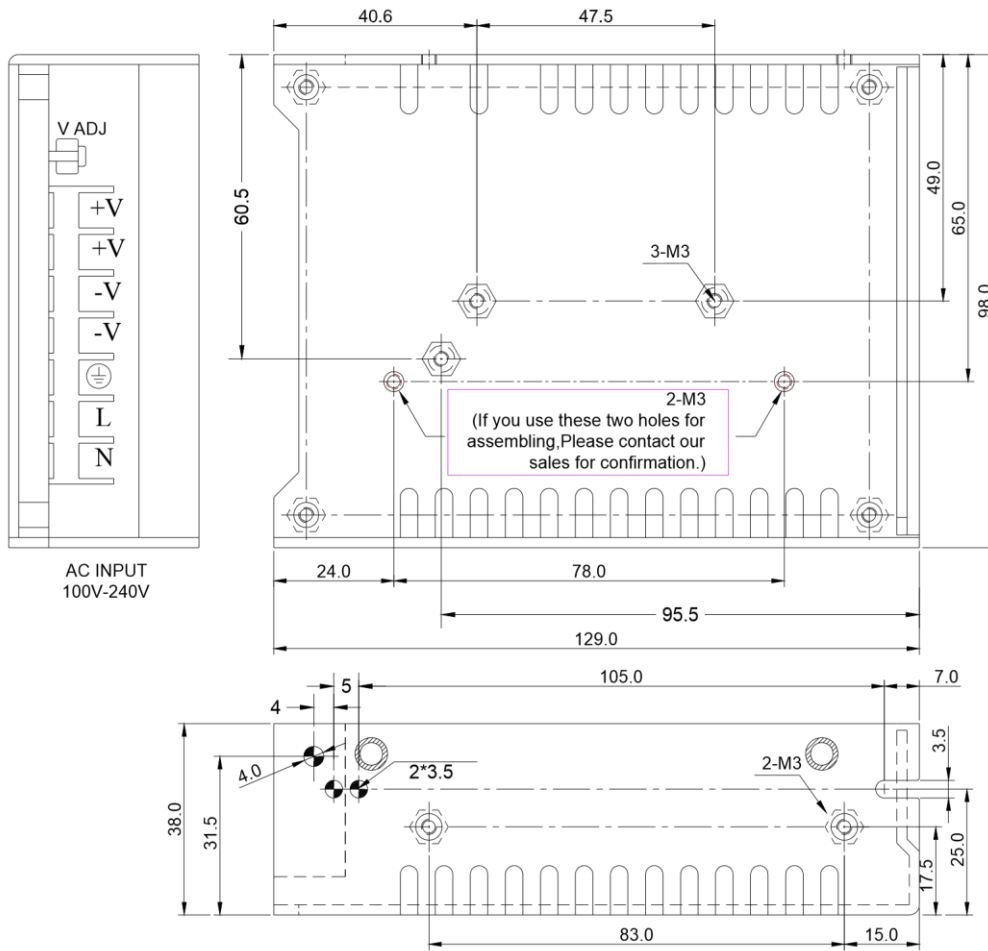


SPECIFICATIN

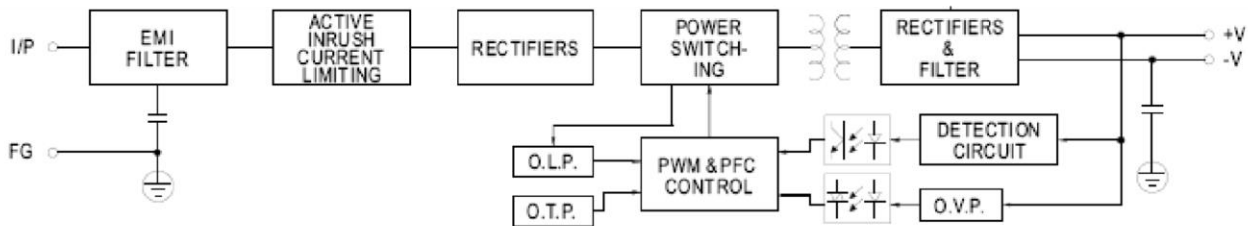
MODEL		PD-60-5	PD-60-12	PD-60-15	PD-60-24	PD-60-48	
OUTPUT	DC Output	5.0V	12.0V	15.0V	24.0V	48.0V	
	Rated Current	12A	5A	4.0A	2.5A	1.25A	
	Current Range	Note 1	0~12A	0~5.0A	0~4.0A	0~2.5A	0~1.25A
	Ripple and Noise	0~55°C	50mV	120mV	120mV	120mV	240mV
		-10°C	100mV	120mV	120mV	120mV	240 mV
	Voltage ADJ. 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		Long-term mode, auto recovery				
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)		129x98x38mm				
	Packing		30PCS/CTN, G.W:14.2kgs				
	Cooling method		Cooling by free air convection				
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor. 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



Block Diagram



Derating Curve

