STONTRONICS
THE POWER TO SUPPLY

PD-60 Series

60Watts Single Output Enclosed SMPSU

Features:

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

SPECIFICATION

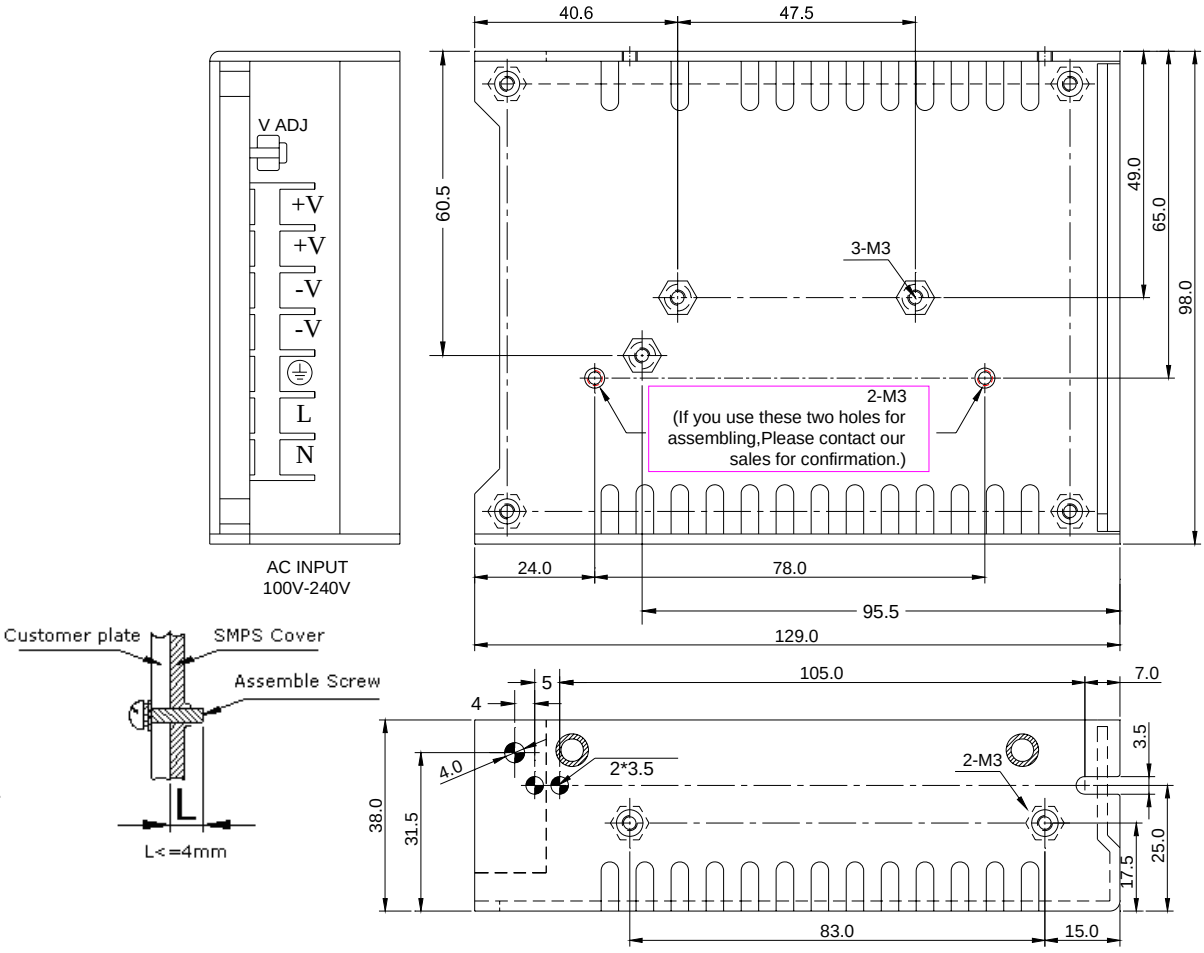
MODEL			PD-60-5	PD-60-12	PD-60-15	PD-60-24	PD-60-48
OUTPUT	DC Output		5.0V	12.0V	15.0V	24.0V	48.0V
	Rated Current		10A	5A	4.0A	2.5A	1.25A
	Current Range		0~10A	0~5.0A	0~4.0A	0~2.5A	0~1.25A
	Ripple and Noise Note 2	-20~70℃	<50mV	<50mV	<100mV	<100mV	<200mV
	Voltage ADJ. Range		4.6V-5.5V	11.0V-13.0V	13.7V-16.0V	22.0V-25.3V	45.3V-51.3V
	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%/℃				
	Overshoot and Undershoot		<5.0%				
INPUT	Voltage Range		88Vac~264Vac,124~370Vdc				
	Frequency Range		47Hz--63Hz				
	Efficiency (Typical)	115Vac input	75%	81%	81%	83%	84%
		230Vac input	76%	82%	82%	83%	85%
	AC Current (max.)		1.5A	1.5A	1.5A	1.5A	1.5A
	Inrush Current (Typical)		<40A@115Vac <60A@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) 120%~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℃~70℃; 20%~90%RH No condensing((refer to the derating curve)				
	Storage Temp. & Hum.		-40℃~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		≥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 200,000Hrs (25℃, Full load)				
	Dimension (L*W*H)		129×98×38mm				
	Packing		30PCS/CTN, 14.2KGS, 0.044CBM				
	Cooling method		Cooling by free air convection				
NOTE	1. All parameters NOT specially mentioned are measured at 230Vac 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. 4. We offer accessories for Din-35 rail bar. Please contact sales staff for details.						

STONTRONICS
THE POWER TO SUPPLY

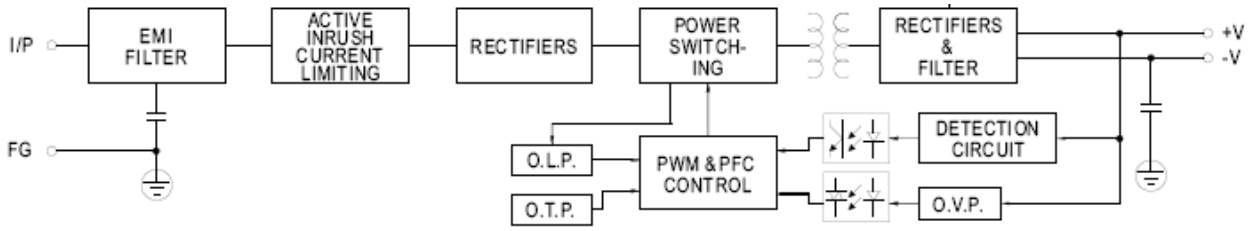
PD-60 Series

60Watts Single Output Enclosed SMPSU

■ Mechanical Specification



■ Block Diagram



■ Derating Curve