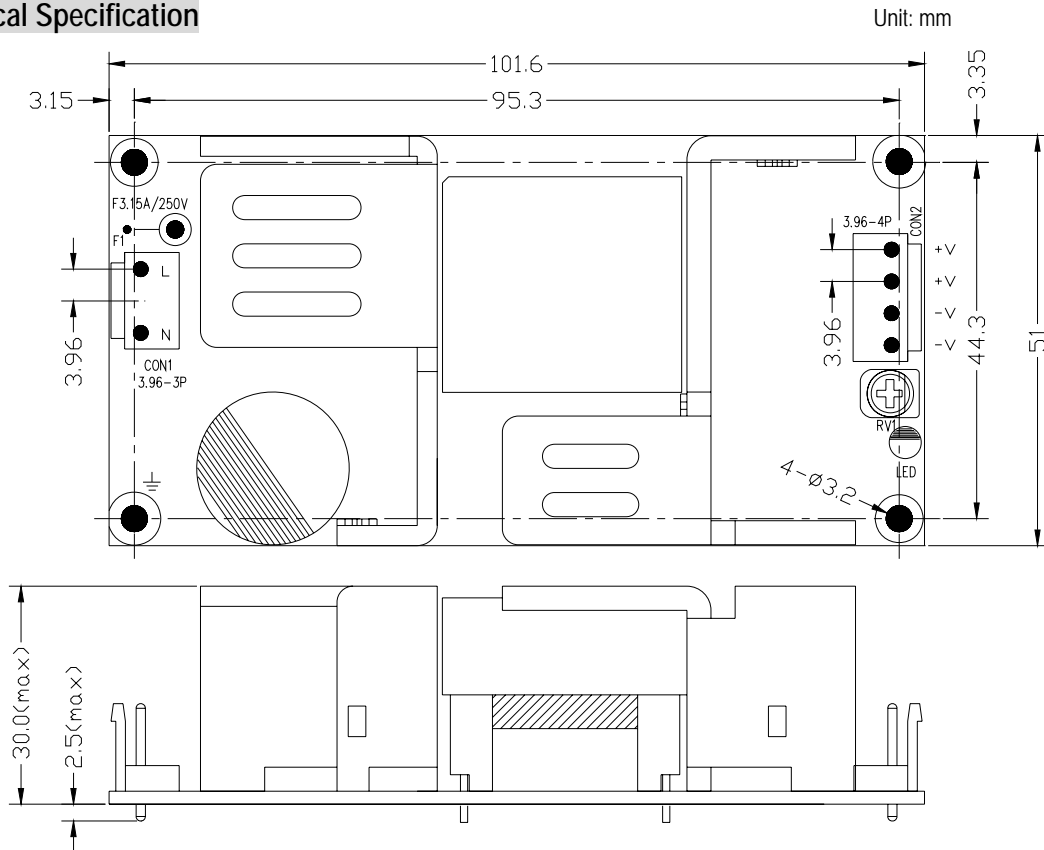



■ Features:

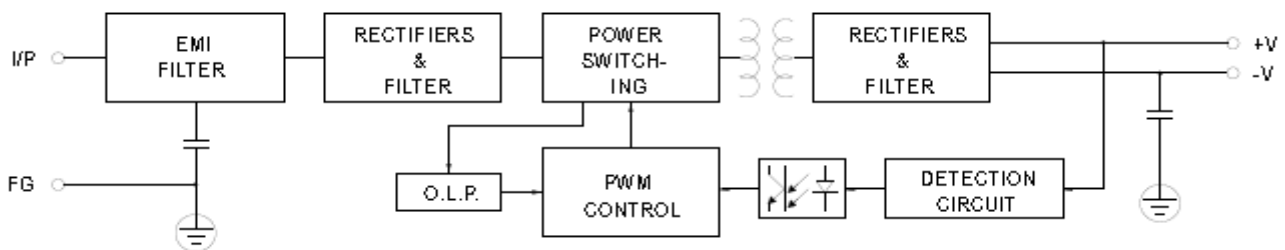
- Universal AC input/ Full range
- High Efficiency, low power consumption
- **No load power consumption<=0.5W**
- Output protections: SCP/OVP/ OLP
- Wide operating ambient temperature (-25℃~70℃)
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- 3 year warranty

SPECIFICATION

MODEL		PS-60-5	PS-60-12	PS-60-15	PS-60-24	PS-60-48	
OUTPUT	DC Output	5.0V	12.0V	15.0V	24.0V	48.0V	
	Rated Current	8.0A	4.5A	3.6A	2.5 A	1.25A	
	Ripple and Noise	0~70℃	<50mV	<120mV	<120mV	<120mV	<240mV
		Note 2 -25℃~0℃	<200mV	<300mV	<300mV	<300mV	<360mV
	Voltage ADJ. Range	4.5~5.5V	11.2~13.4V	13.8~16.5V	22.2~27.9V	45.0~53.2V	
	Voltage Accuracy	±3.0%					
	Line Regulation	±0.5%					
	Load Regulation	±2.0%					
	Set-up Time	≤1.0S (230Vac input, Full load)					
	Hold up Time	≥20mS(230Vac input, Full load)					
	Temperature Coefficient	±0.03%/℃					
	Overshoot and Undershoot	<5.0%					
INPUT	Voltage Range Note 3	90Vac~264Vac, 127Vdc~370Vdc					
	Frequency Range	47Hz~63Hz					
	Efficiency (Typical)	115Vac input	79%	83%	84%	87%	85%
		230Vac input	82%	85%	85%	87%	88%
	AC Current (max.)	<1.5A					
	Inrush Current (Typical)	<30A@120Vac	<60A@230Vac	Cold start			
Leakage Current	<0.25mA						
PROTECTION	Over Load	105%~180% of rated output current, hiccup mode,auto recovery					
	Over Voltage	110%~150% of rated output voltage, Constant voltage,					
	Shorted Circuit	Long-term mode, auto recovery					
ENVIRONMENT	Operating amb. Temp. & Hum.	-25℃~70℃; 20%~90%RH No condensing (refer to the derating curve)					
	Storage Temp. & Hum.	-40℃~85℃; 10%~95%RH No condensing					
SAFETY & EMC (Note 4)	Safety Standards	UL60950-1; EN60950-1: 2006					
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .					
	Isolation Resistance	≥100M ohms					
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB					
	Harmonic Current	Compliance to EN61000-3-2,-3					
OTHERS	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;ENV50204,light industry level,criteriaA					
	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25℃, Full load)					
	Dimension (L*W*H)	101.6×50.8×30mm					
	Packing	60PCS/CTN, 12KGS, 0.024CBM					
NOTE	Cooling method	Cooling by free air convection					
		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 & 10uF 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


Item	Connectors	Mating Housing	Contacts
AC IN(CON1)	LANDWIN3961P0300T =Molex53520-0320(Central Pin removed)	LANDWIN 3960S or JST VHR or Molex 51144	LANDWIN 3963T011R or JST SVH-21T-P1.1 Or Molex 50539
DC OUT(CON2)	LANDWIN 3961P0400T =Molex53520-0420		

Block Diagram

Derating Curve
