


Features:

- Universal AC input/ Full range (90~264Vac)
- High Efficiency, high reliability and long life
- Output protections: SCP/OVP/ OLP/OPP
- Wide operating ambient temperature (-10°C~65°C)
- When 176~264Vac input, free air convection, it is 60W; when 90~175Vac input, 10.5CFM, 60W
- When 90~175Vac, free air convection, 45W.
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 2*4 size
- 2 years warranty

SPECIFICATION

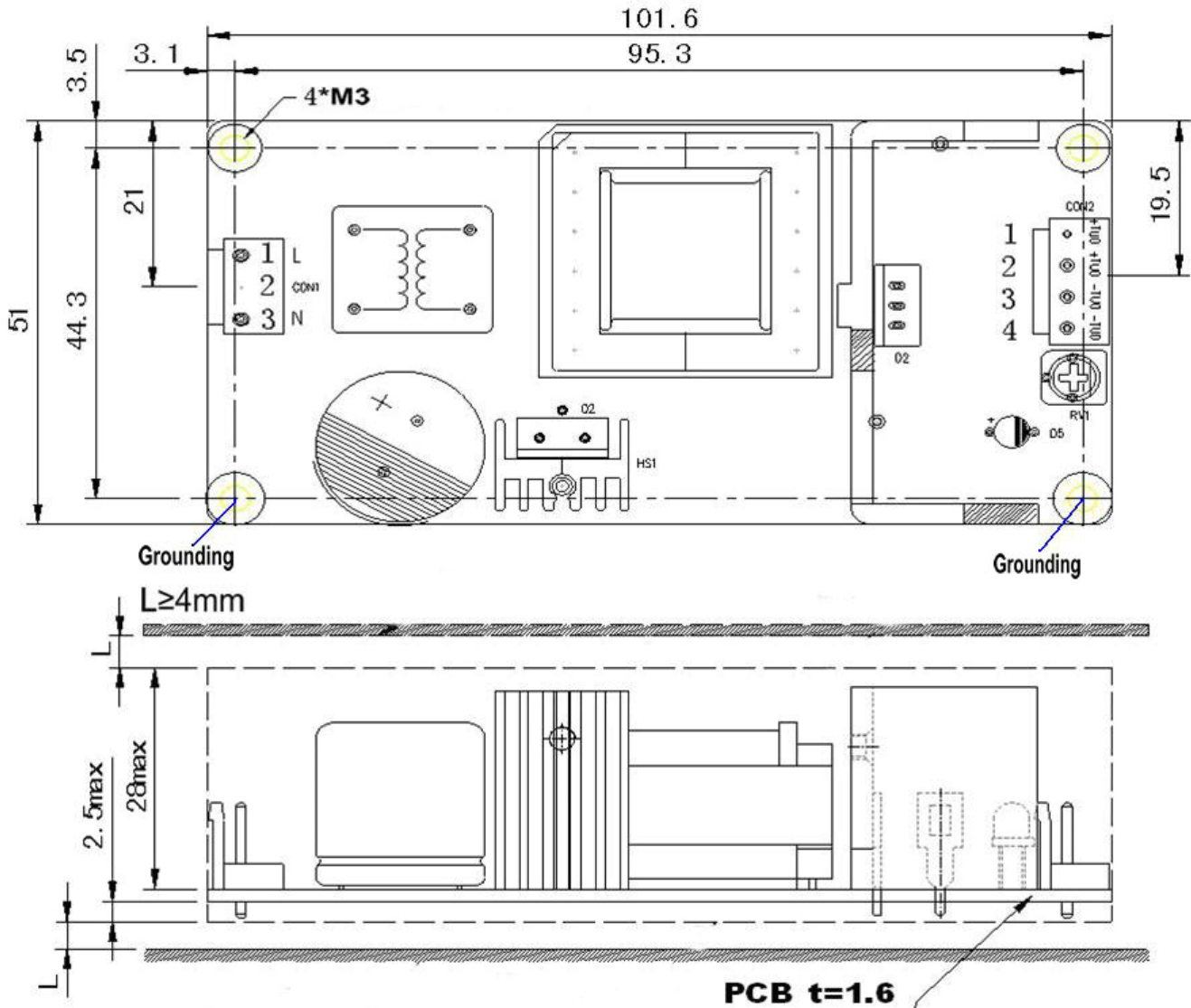
MODEL		PS-60-C5	PS-60-C12	PS-60-C15	PS-60-C24	PS-60-C48	
OUTPUT	DC Output	5.0V	12.0V	15.0V	24.0V	48.0V	
	Rated Current(175~264Vac)	8.0A	5.0A	4.0A	2.5 A	1.25A	
	Ripple and Noise Note 2	0~65°C	<80mV	<120mV	<150mV	<240mV	<300mV
		-10°C~0°C	<200mV	<300mV	<360mV	<360mV	<480mV
	Voltage ADJ. Range	4.75~5.5V	11.4~13.2V	14.25~16.5V	22.8~26.4V	45.6~52.8V	
	Voltage Accuracy	±2.0%					
	Line Regulation	±0.5%					
	Load Regulation	±1.0%					
	Set-up Time	≤1.0S (230Vac input, Full load)					
	Hold up Time	≥50mS(230Vac input, Full load)					
	Temperature Coefficient	±0.03%/°C					
Overshoot and Undershoot	<5.0%						
INPUT	Voltage Range Note 3	90Vac~264Vac					
	Frequency Range	47Hz-63Hz					
	Efficiency(Typical)	230Vac input	80%	83%	84%	85%	86%
	AC Current (max.)	< 1.5A					
	Inrush Current (Typical)	< 30A@120Vac < 60A@230Vac Cold start					
	Leakage Current	Input to Output: <0.25mA; Input to PG: <3.5mA					
PROTECTION	Over Load	10.5~18A	5.25~9A	3.78~6.48A	2.625~4.5A	1.31~2.25A	
		Protection type: Hiccup mode, Auto recovery					
	Over Power	52.5~90W	63~108W	56.7~97.2W	63~108W	63~108W	
		Protection type: Hiccup mode, Auto recovery					
Over Voltage	5.25~7.5V	12.6~18V	15.75~22.5V	25.2~36V	50.4~72V		
	Protection type: Constant voltage, Auto recovery						
Shorted Circuit	Long-term mode, auto recovery						
ENVIRONMENT	Operating amb. Temp. & Hum.	-10°C~65°C; 20%~90%RH No condensing (refer to the derating curve)					
	Storage Temp. & Hum.	-30°C~85°C; 10%~95%RH No condensing					
SAFETY & EMC (Note 4)	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 Class B					
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level					
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)					
	Dimension (L*W*H)	101.6×51×29mm					
	Packing	60PCS/CTN, 12KGS, 0.024CBM					
	Cooling method	Cooling by free air convection					

NOTE

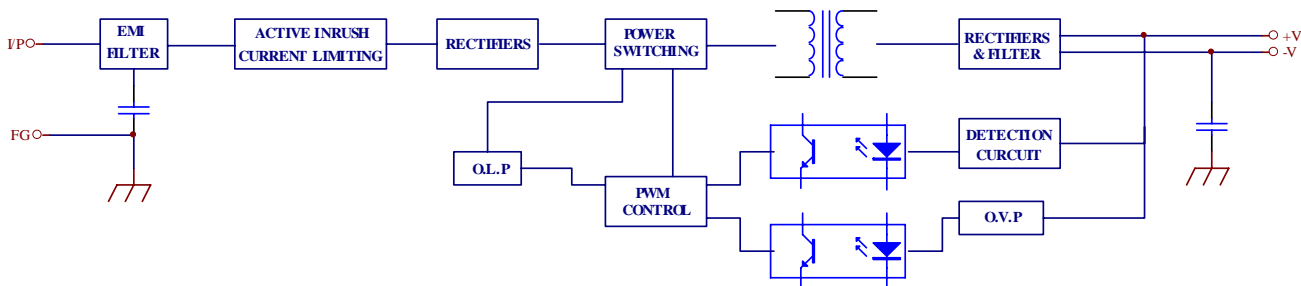
1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.
2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor.
3. The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.

Mechanical Specification

Unit: mm



Item	Connectors	Mating Housing	Contacts
AC IN(CON1)	LANDWIN3961P0300T (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		

Block Diagram

Derating Curve

