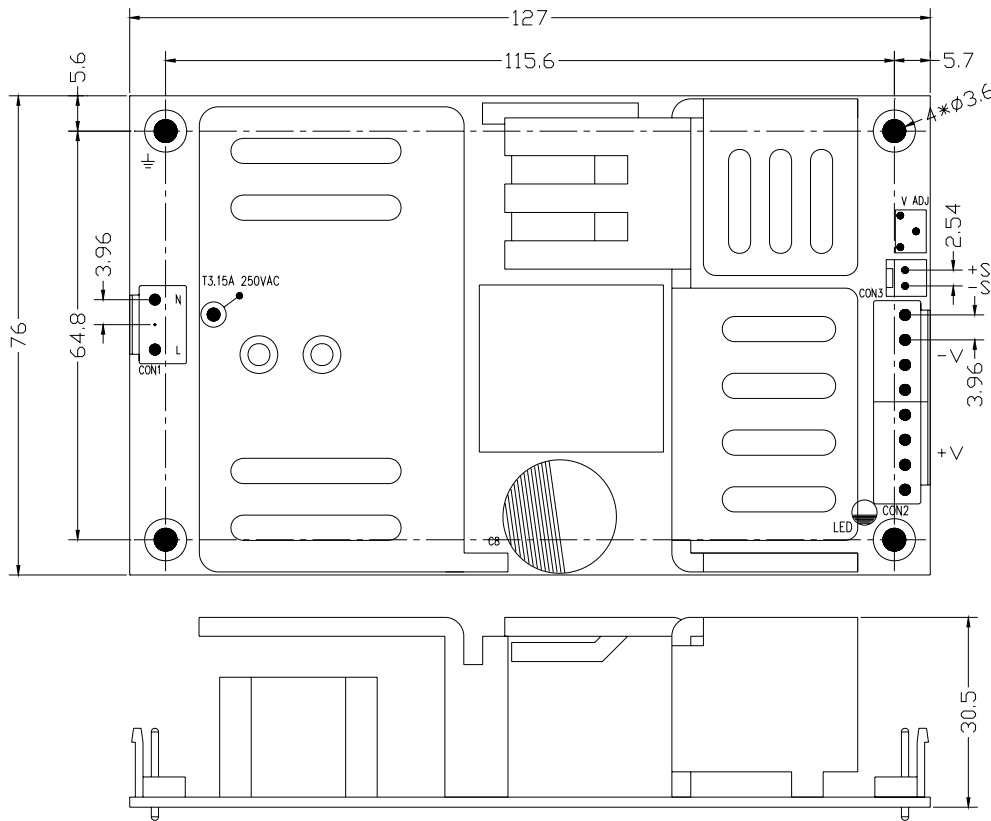


Features:

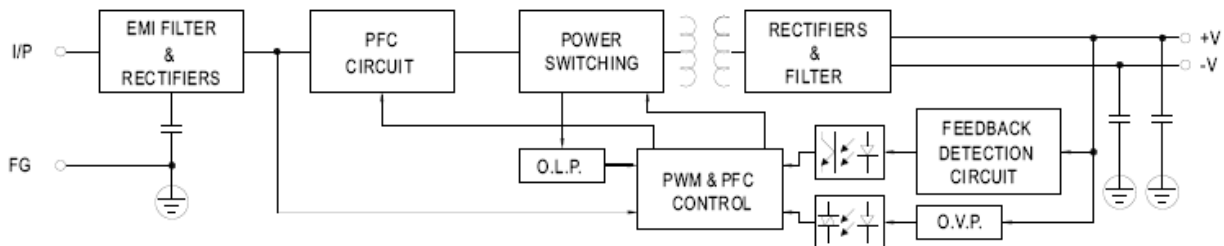
- Universal AC input/ Full range
- Built-in active PFC function,PF>0.95
- High power density,High efficiency and reliability
- Output protections: OLP/OVP/SCP
- Wide operating ambient temperature (-20°C ~60°C)
- Build-in remote sense function
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 3 years warranty


SPECIFICATION

MODEL		PSF-125-5	PSF-125-12	PSF-125-15	PSF-125-24	PSF-125-48	
OUTPUT	DC Output	5V	12V	15V	24V	48V	
	Rated Current	20A	10.5A	8.4A	5.2A	2.6A	
	Current Range	0~20A	0~10.5A	0~8.4A	0~5.2A	0~2.6A	
	Ripple and Noise Note 2	<100mV	<100mV	<100mV	<100mV	<150 mV	
	Voltage ADJ. Range	4.5~5.7V	10.6~13.4V	12.9~17.0V	24.7~27.0V	43.0~53.7V	
	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	<1.2S (230Vac input, Full load) <2.5S (115Vac input, Full load)					
	Hold up Time	>20mS(115/230Vac input, Full load)					
	Temperature Coefficient	±0.03%/°C					
	Overshoot and Undershoot	<5.0%					
INPUT	Voltage Range	90Vac~264Vac,127Vdc~370Vdc					
	Frequency Range	47Hz~63Hz					
	Power Factor(Typical)	PF>0.98@115VAC PF>0.95@230VAC					
	Efficiency (Typical)	115Vac input	83%	85%	85%	86%	86%
		230Vac input	85%	87%	87%	88%	88%
	AC Current (max.)	<1.5A					
	Inrush Current (Typical)	<60A@230Vac <30A@115Vac Cold start					
Leakage Current	<3.5mA						
PROTECTION	Over Current	105%~150% of rated output current, hiccup mode, auto recovery					
	Over Voltage	120%~150% of rated output voltage,hiccup mode					
	Short Circuit	Auto recovery					
ENVIRONMENT	Operating amb Temp & Hum	-20°C ~60°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					
	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 100,000Hrs (25°C, Full load)					
	Dimension (L*W*H)	127×76×30.5mm					
	Packing	21PCS/CTN, 8.46KGS, 0.015CBM					
NOTE	Cooling method	Cooling by free air convection					
		1. All parameters NOT specially mentioned are measured at 230Vac 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 & 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.					

Mechanical Specification


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 3961P0800T		
Sense(CON3)	LANDWIN 2541P0200T	LANDWIN 2510S or MOLEX 5051	LANDWIN 2563T011X or MOLEX 4809

Block Diagram

Derating Curve
