



Features:

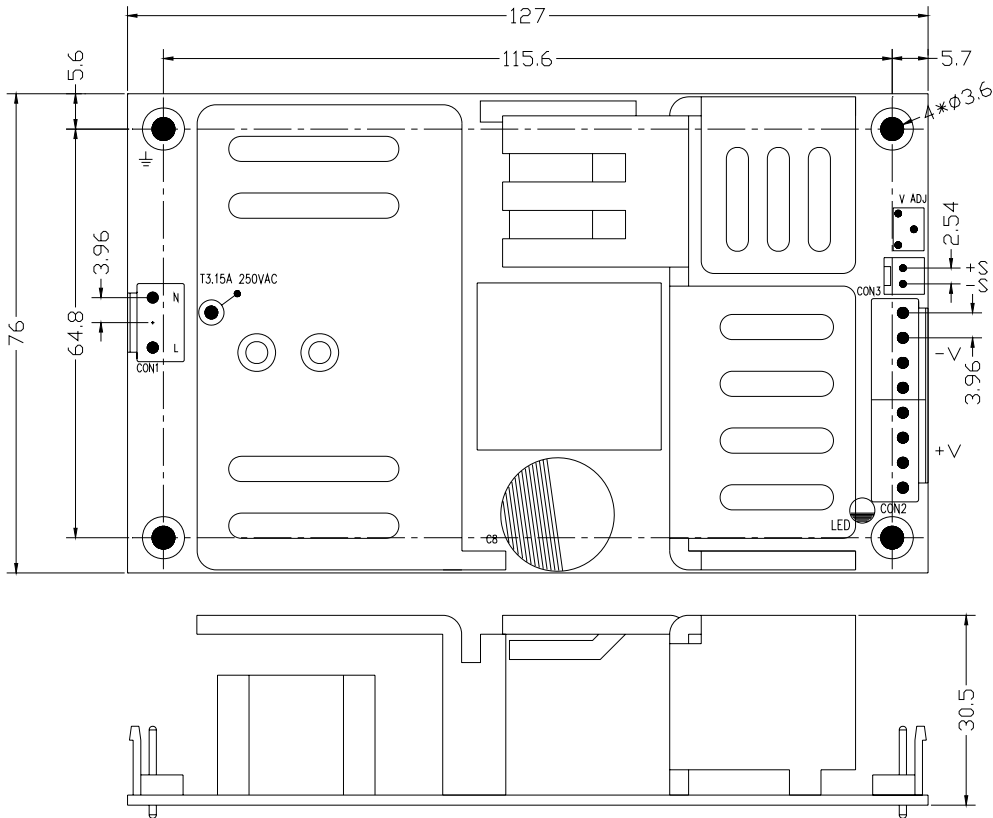
- Universal AC input/ Full range
- Built-in active PFC function, PF>0.95
- High power density, High efficiency and reliability
- Output protections: OLP/OVP/SCP
- Wide operating ambient temperature (-20°C ~60°C)
- Build-in remote sense function
- All using 105°C long life electrolytic capacitors.
- 100% 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 ambTemp & 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	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)Class B					
	Harmonic Current	Compliance to EN61000-3-2,-3					
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A					
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)					
	Dimension (L*W*H)	127x76x30.5mm					
	Packing	21PCS/CTN, 8.46KGS, 0.015CBM					
	Cooling method	Cooling by free air convection					
NOTE	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.						

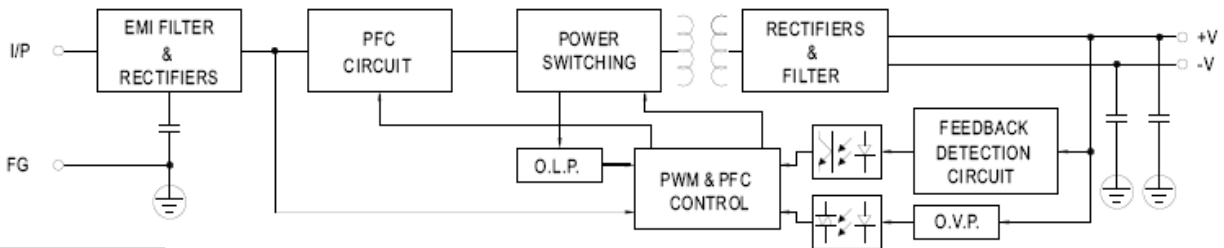
Mechanical Specification

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

Block Diagram



Derating Curve

