



■ **Features:**

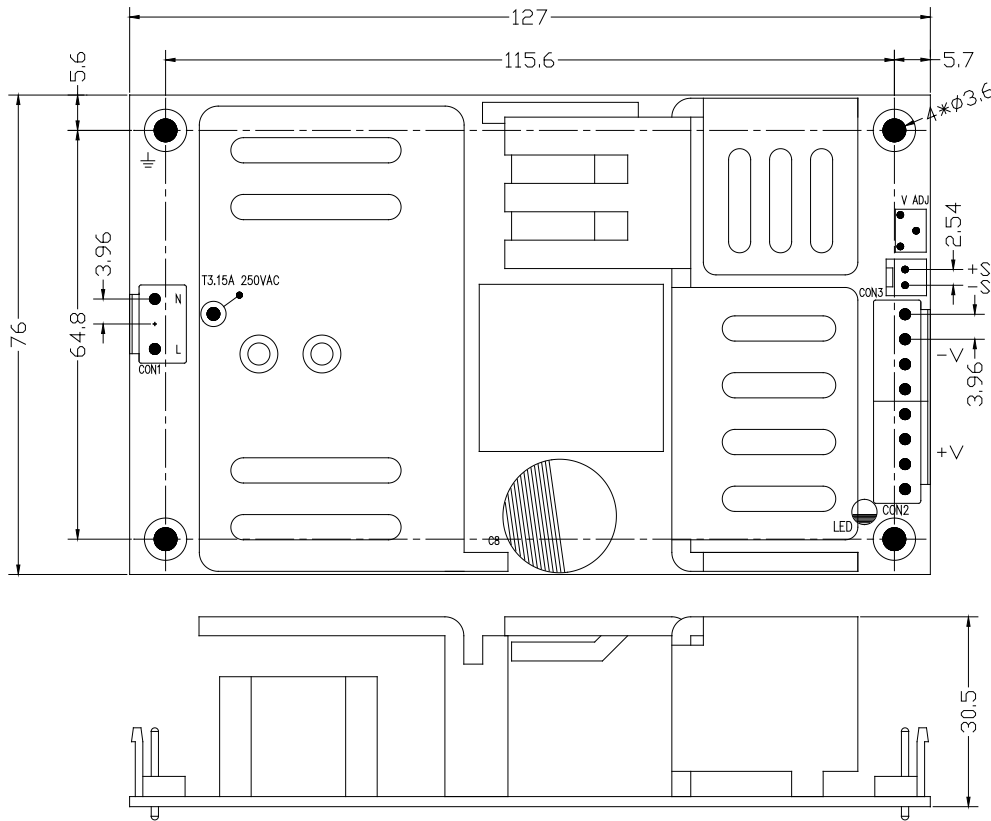
- Universal AC input/ Full range
- High power density, high efficiency, and reliability
- Output protections: OLP/OVP/SCP
- Wide operating ambient temperature (-20°C~70°C)
- Build-in remote sense function
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 3 years warranty

SPECIFICATION

MODEL		MFPSF-125-5	MFPSF-125-12	MFPSF-125-15	MFPSF-125-24	MFPSF-125-36	MFPSF-125-48
OUTPUT	DC Output	5V	12V	15V	24V	36V	48V
	Rated Current	20A	10.5A	8.4A	5.2A	3.5A	2.6A
	Current Range <small>Note 1</small>	0~20A	0~10.5A	0~8.4A	0~5.2A	0~3.5A	0~2.6A
	Ripple and Noise <small>Note 2</small>	100mV	100mV	100mV	100 mV	120 mV	150 mV
	Voltage ADJ. Range	±10% of rated output voltage					
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	Set-up Time	<=1200mS (230Vac input, Full load)			<=2500mS (115Vac input, Full load)		
	Hold up Time	>=17mS(115/230Vac input, Full load)					
	Temperature Coefficient	±0.03%/°C					
	Overshootand Undershoot	<5.0%					
INPUT	Voltage Range	90Vac~264Vac,127Vdc~370Vdc					
	Frequency Range	47Hz~63Hz					
	Power Factor(Typical)	PF>0.98/115VAC		PF>0.93/230VAC			
	Efficiency (Typical)	82%/115Vac	85%/115Vac	85%/115Vac	85%/20Vac	86%/115Vacin	86%/115Vac
		84%/230Vac	87%/230Vac	87%/230Vac	87%/230Vac	88%/230Vac	88%/230Vac
	AC Current (max.)	1.5A	1.5A	1.5A	1.5A	1.5A	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	OperatingambTemp& Hum	-20°C~70°C; 20%~90%RH No condensing					
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH No condensing					
SAFETY & EMC <small>Note 3</small>	Safety Standards	GB4943-2011; 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	Compliance to EN55022(CISPR22)ClassB					
	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,criteriaA					
OTHERS	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					
	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.						

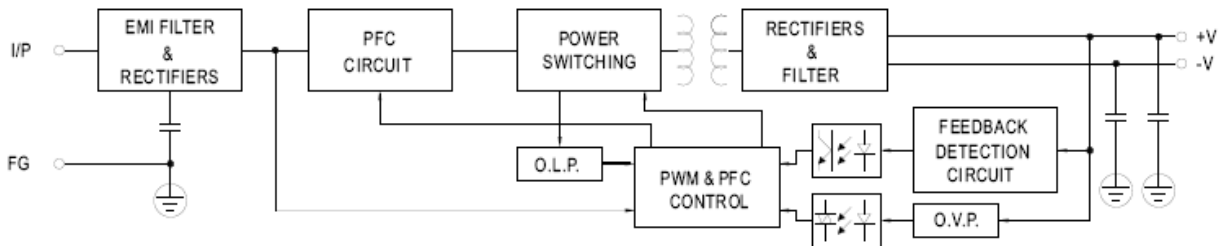
Mechanical Specification

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

Block Diagram



Derating Curve

