Features:

- Universal AC input/ Full range
- Built-in Active PFC function
- Withstand 300Vac surge input for 5 sec.
- High efficiency up to 90%(typ)
- Output protections: OLP/OVP/SCP/OPP
- Wide operating ambient temperature (-20℃~70℃)
- All using 105℃ long life electrolytic capacitors.
- Free air convection for 150W and 200W with 20.5CFM forced air
- 100% full load burn-in test
- 5"*3" compact size
- 3 years warranty

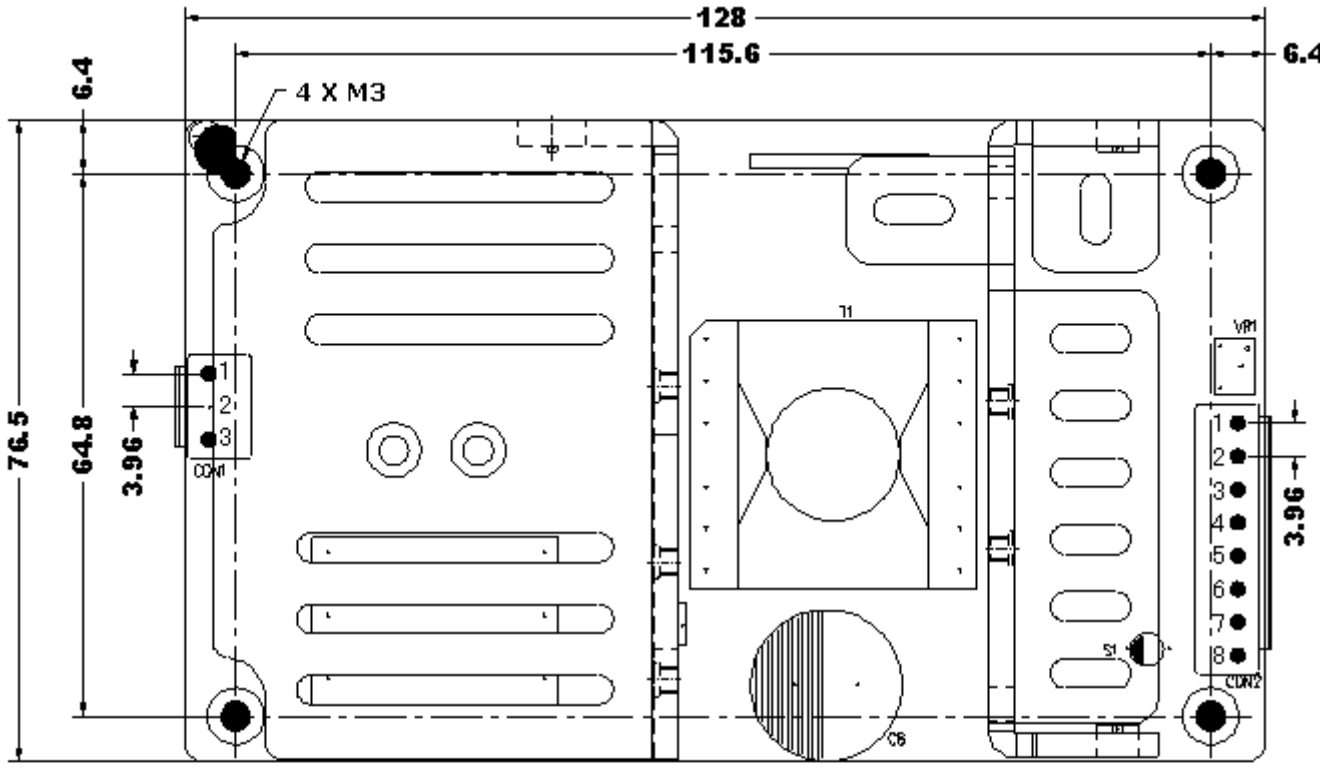
SPECIFICATION

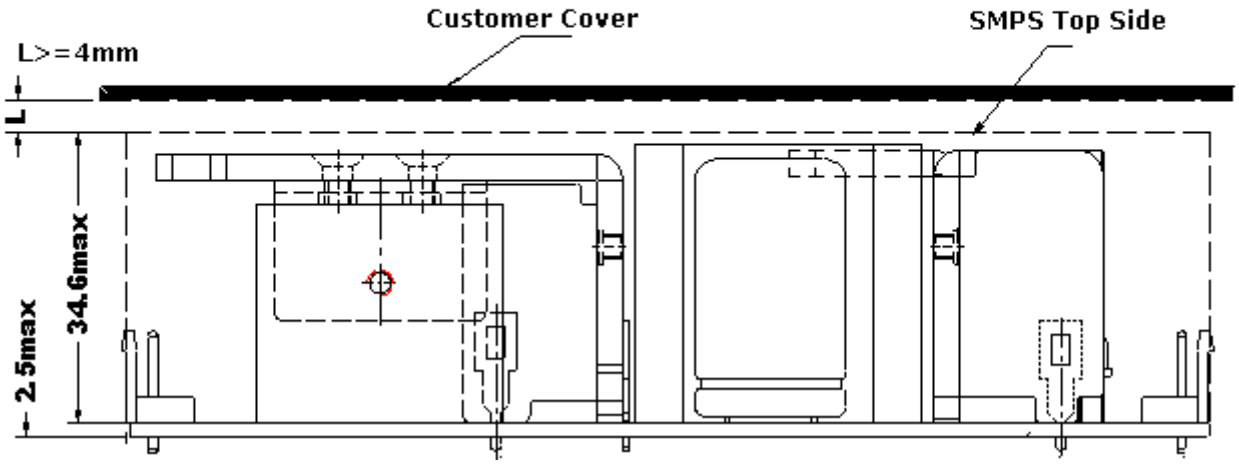
MODEL			PSF-200-12	PSF-200-24	PSF-200-36	PSF-200-40	PSF-200-48
OUTPUT	DC Output		12V	24V	36V	40V	48V
	Rated Current		16.6A	8.4A	5.55A	5A	4.167A
	Current Range(free air convection)		0~12.5A	0~6.25A	0～4.44A	0~4A	0~3.13A
	Current Range(20.5CFM fan)		0~16.6A	0~8.4A	0~5.55A	0~5A	0~4.167A
	Ripple and Noise Note 2	0＜Ta≤70℃	120mVp-p	200 mVp-p	120mV	120mV	120mV
		-20≤Ta≤0℃	200mVp-p	200 mVp-p	240 mVp-p	240 mVp-p	240 mVp-p
	Voltage ADJ. Range		±10% of rated output voltage,				
	Voltage Accuracy		±1.0%				
	Line Regulation		±0.5%				
	Load Regulation		±1.0%				
	Set-up Time		≤2S (230VAC input, Full load)& ≤4S (115VAC input, Full load)				
	Hold up Time		≥16mS/150W 10mS/200W （115 / 230VAC IN AT FULL LOAD）				
	Temperature Coefficient		±0.03%/℃				
	Overshootand 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)		⩾89%	⩾89%	⩾88%	⩾88%	⩾90%
	AC Current (max.)		＜3A				
	Inrush Current (Typical)		＜50A@230Vac ＜30A@115Vac Cold start				
	Leakage Current		≤3.5mA				
PROTECTION	Over Current		105%~150% of rated output current, hiccup mode, auto recovery				
	Over Power		105%~150% of rated output current, hiccup mode, auto recovery				
	Over Voltage		125%~150% of rated output voltage, hiccup mode, auto recovery				
	Short Circuit		Long-term, Auto recovery				
ENVIRONMENT	OperatingambTemp& Hum		-20℃~70℃; 20%~90%RH No condensing				
	Storage Temp. & Hum.		-40℃~85℃; 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		10M ohms				
	EMI Conduction&Radiation		Compliance to EN55022,EN55024 ClassB				
	Harmonic Current		Compliance to EN61000-3-2,-3				
	EMS Immunity		Compliance to EN61000-4-2,3,4,5,6,8,11;EN55024,EN61000-6-2 heavy industry level				
OTHERS	MTBF (MIL-HDBK-217F)		More than 100,000Hrs (25℃, Full load)				
	Dimension (L*W*H)		128×76.5×34.6mm (5"*3")				
	Packing		21PCS/CTN, 9.4KGS, 0.015CBM				
	Cooling method		Free air convection / 20.5CFM forced air				

NOTE	1. All parameters NOT specially mentioned are measured at rated 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. 3. The SPS is considered a component which will be installed into final equipment. We cannot guarantee that the final equipment will meet EMC directives, Final product manufactures must be re-confirm that their product meets EMC directives

Mechanical Specification

Unit: mm （Tolerance is ±1mm）





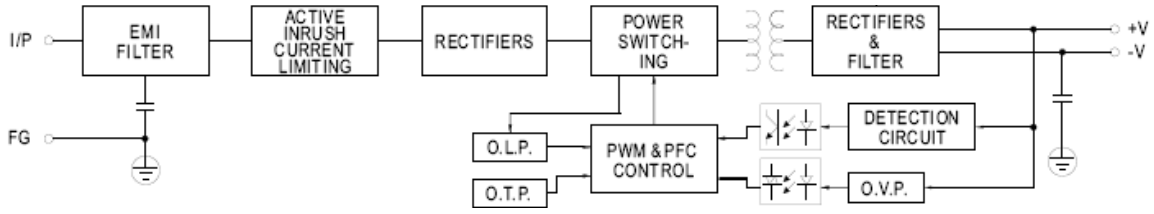
Pin Description:

INPUT CON1: Pin1=AC(L) Pin3=AC(N)

OUTPUT CON2: Pin1-4= -V Pin5-8=+V

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		

■ Block Diagram



■ Derating Curve