

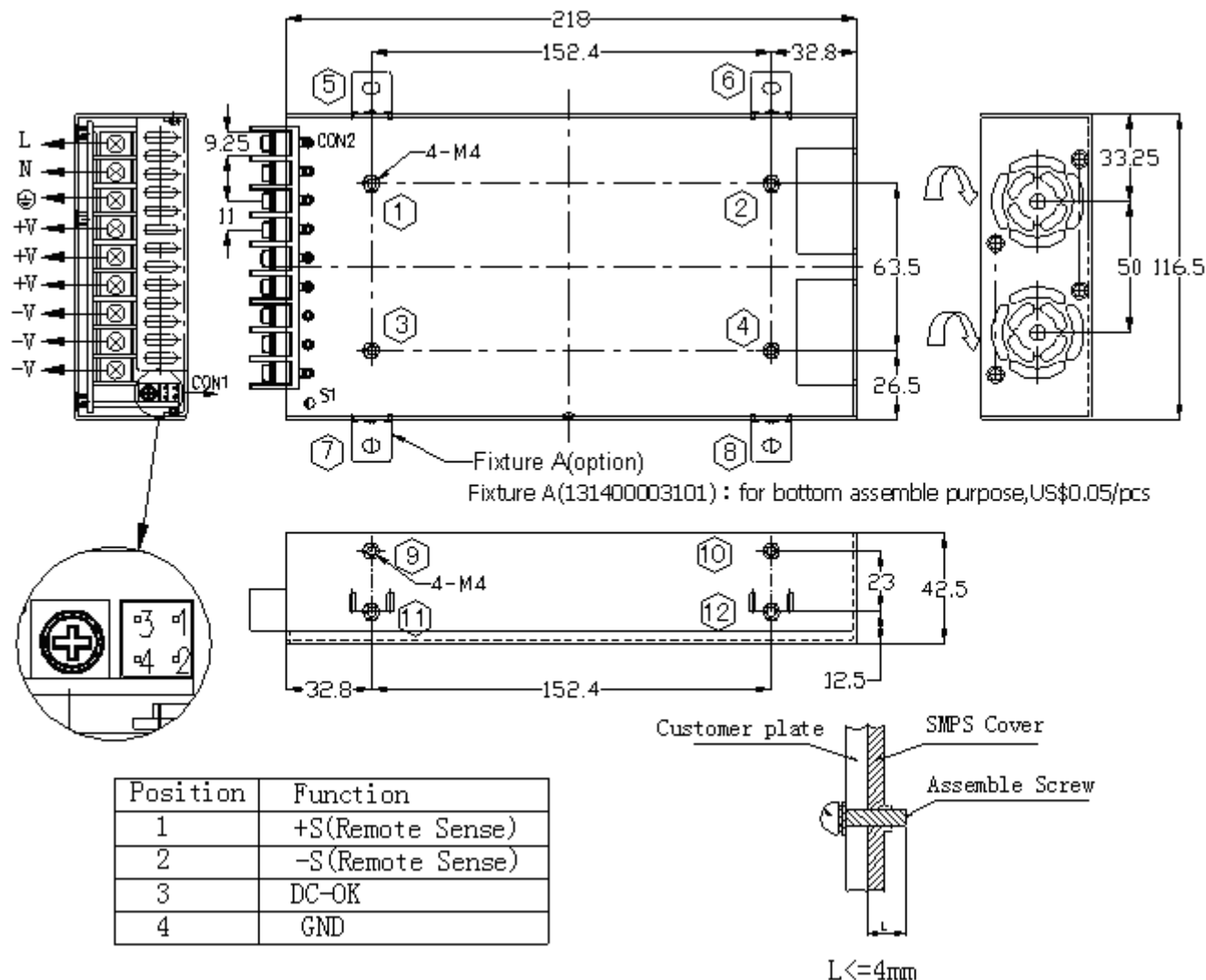


■ Features:

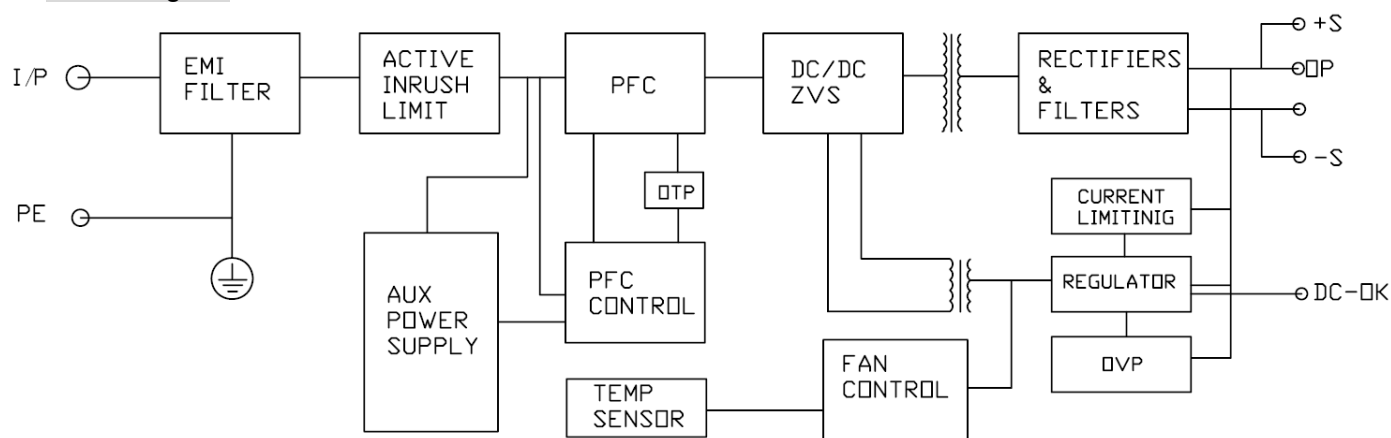
- Universal AC input/ Full range
- Built-in active PFC function, PF>0.96
- Using ZVS technology to reduce power dissipation
- Built in Fan speed control and over temp. protection
- Built in AC inrush current limiting circuit(<20A)
- Built in constant current limiting circuit
- Built in Remote Sense Function
- Built in DC OK signal
- Wide operating ambient temperature (-30°C~70°C)
- 1 U low profile, 42.5mm
- 5 years warranty

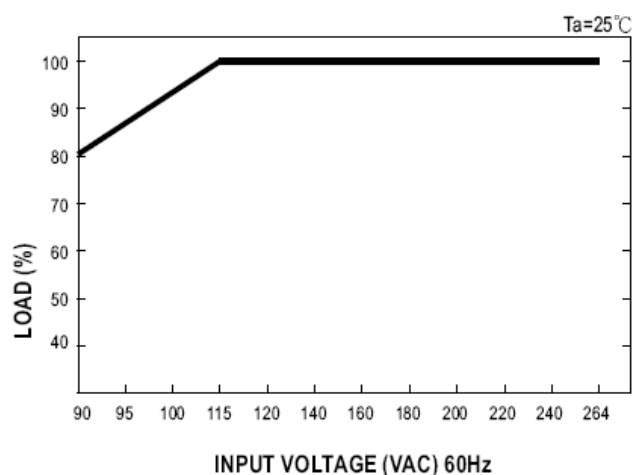
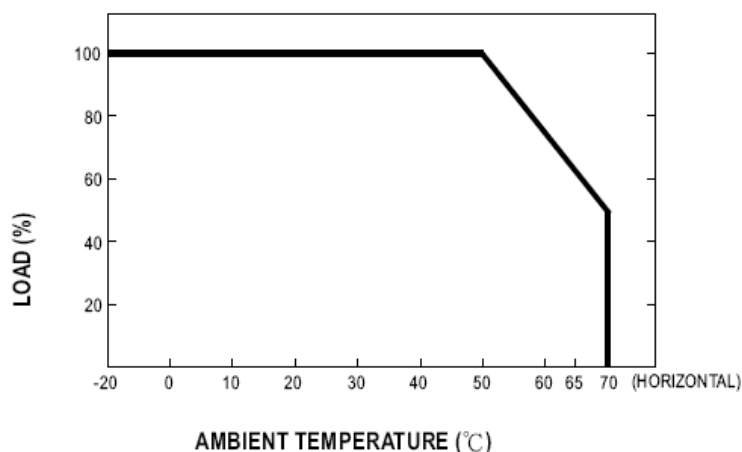
MODEL		PDF-800-24	PDF-800-48
OUTPUT	DC Output	24V	48V
	Rated Current	33A	16.5A
	Current Range Note 1	0~33A	0~16.5A
	Ripple and Noise Note 2	≤200mV	≤200mV
	Voltage ADJ. Range	21.6~26.4V	42~52V
	Voltage Accuracy	±2%	±2%
	Line Regulation	±0.5%	±0.5%
	Load Regulation	±2%	±2%
	Set-up Time	<3.0S (220Vac input, Full load)	
	Hold up Time	>8mS/ (220Vac input, Full load)	
	Temperature Coefficient	±0.03%/℃	
	Overshoot and Undershoot	<5.0%	
	INPUT	Voltage Range	90Vac~264Vac,127Vdc~370Vdc
Frequency Range		47Hz~63Hz	
Power Factor(Typical)		PF>0.98/115VAC PF>0.96/230VAC	
Efficiency (Typical)		≥89%79%	≥89%
AC Current (max.)		≤12 A	
Inrush Current (Typical)		<20A@220Vac Cold start	
Leakage Current		Input—output: ≤0.1mA Input—PG: ≤0.75mA	
PROTECTION	Over Load	110%~135% of rated output current, constant current	
	Over power	110%~135% of rated output current, constant current	
	Over Temperture	105℃±5℃(detect on Mosfet temperature);shut down,auto recovery after the temperature goes down to 75℃	
	Over Voltage	110%~150% of rated voltage; constant voltage	
	Short Circuit	Long-term mode, constant current, auto recovery	
ENVIRONMENT	Operating amb. Temp. & Hum.	-30℃~70℃; 20%~90%RH No condensing (refer to derating curve)	
	Storage Temp. & Hum.	-40℃~85℃; 10%~95%RH No condensing	
SAFETY & EMC (Note 3)	Safety Standards	IEC60950/ UL60950 /; EN60950-1: 2006	
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVac;≤10mA.	
	Isolation Resistance	≥100M ohms	
	EMI Conduction&Radiation	Compliance to EN55022(CISPR22)ClassB	
	Harmonic Current	Compliance to EN61000-3-2,17625.1-2003	
	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 200,000Hrs (25℃ , Full load)	
	Dimension (L*W*H)	218x116.5x42.5mm	
	Packing	6PCS/CTN, 8.8KGS, 0.04CBM	
	Cooling method	Forced air cooling(Built-in fan,the fan speed is controlled by load and internal temp.)	
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 & 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



■ Block Diagram





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