


Features:

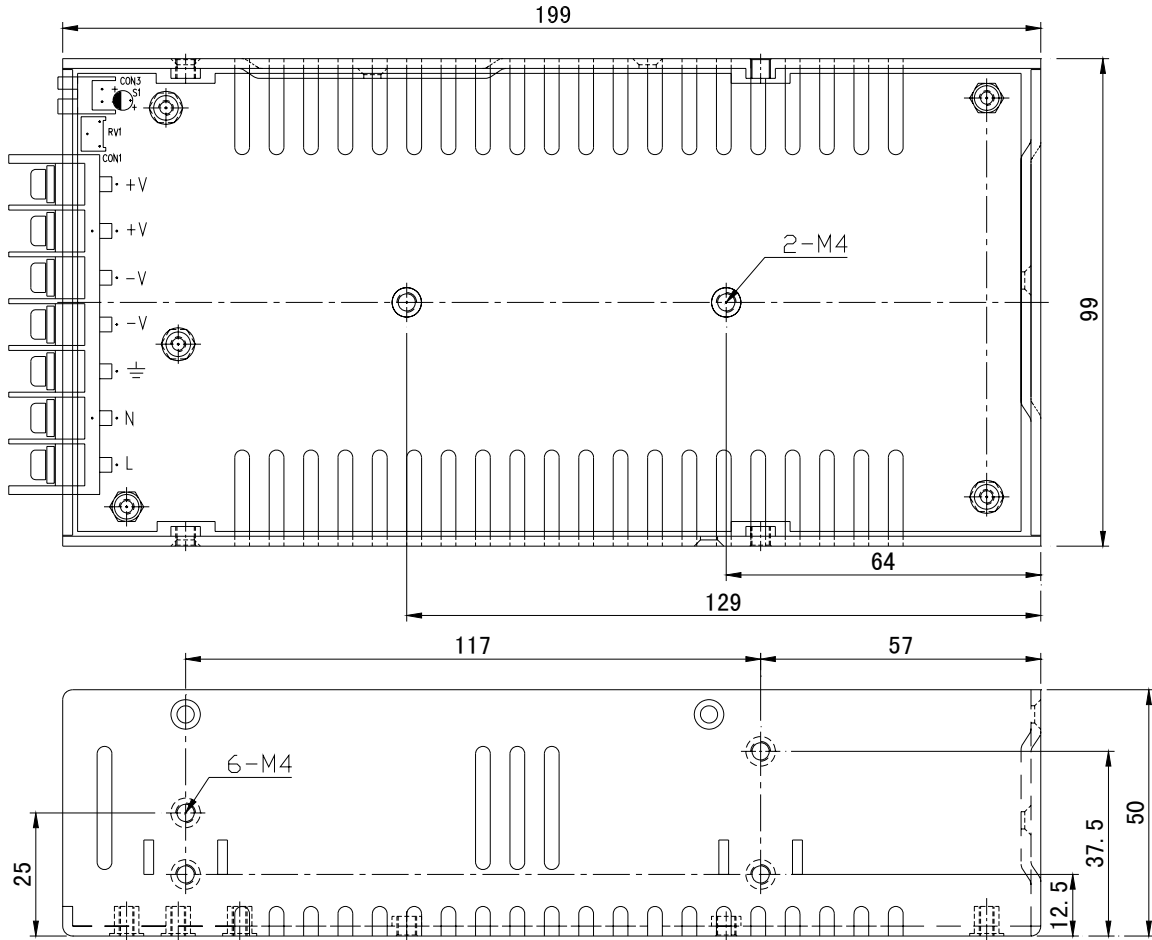
- Universal AC input/ Full range
- Built-in active PFC function,PF>0.93
- High Efficiency, and High reliability
- Output protections: OLP/OTP/OVP/SCP
- All using 105℃ long life electrolytic capacitors.
- 100% full load burn-in test
- 3 years warranty

SPECIFICATION

MODEL	PDF-200-5	PDF-200-12	PDF-200-15	PDF-200-24	PDF-200-48	
OUTPUT	DC Output	5.0V	12V	15V	24V	48V
	Rated Current	40A	16.7A	13.4A	8.4A	4.2A
	Current Range Note 1	0~40A	0~16.7A	0~13.4A	0~8.4A	0~4.2A
	Ripple and Noise Note 2	100mV	100mV	100mV	150mV	250mV
	Voltage ADJ. Range	4.3V~6.0V	11.4V~13.2V	14.3V~16.5V	22.8V~26.4V	45.6V~52.8V
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	Set-up Time	< 2.0S (230Vac input, Full load)				
	Hold up Time	> 20mS(230Vac input, Full load)				
	Temperature Coefficient	±0.05%/℃				
	Overshoot and Undershoot	<5.0%				
INPUT	Voltage Range	85Vac~264Vac				
	Frequency Range	47Hz~63Hz				
	Power Factor(Typical)	PF>0.98/115VAC		PF>0.93/230VAC		
	Efficiency (Typical)	83%	79%	82%	82%	83%
	AC Current (max.)	3.5A/115VAC 1.7A/230VAC				
	Inrush Current (Typical)	50A@230Vac Cold start				
	Leakage Current	Input—output:<0.25mA		Input—PG:<3.5mA		
PROTECTION	Over Load	105%~140% of rated output current, Hiccup mode,auto recovery				
	Over Temperature	95℃±5℃(detect on heatsink of power transistor);shut down,auto recover after the temperature goes down				
	Over Voltage	105%~150% of rated output voltage, shut down				
	Short Circuit	Long-term mode, auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-10℃~60℃; 20%~90%RH No condensing(refer to the derating curve)				
	Storage Temp. & Hum.	-20℃~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	≥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 100,000Hrs (25℃, Full load)				
	Dimension (L*W*H)	199×99×50mm				
	Packing	12PCS/CTN, 11.3KGS, 0.037CBM				
	Cooling method	Cooling by forced air (built-in DC fan)				
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



Derating Curve

