


Features:

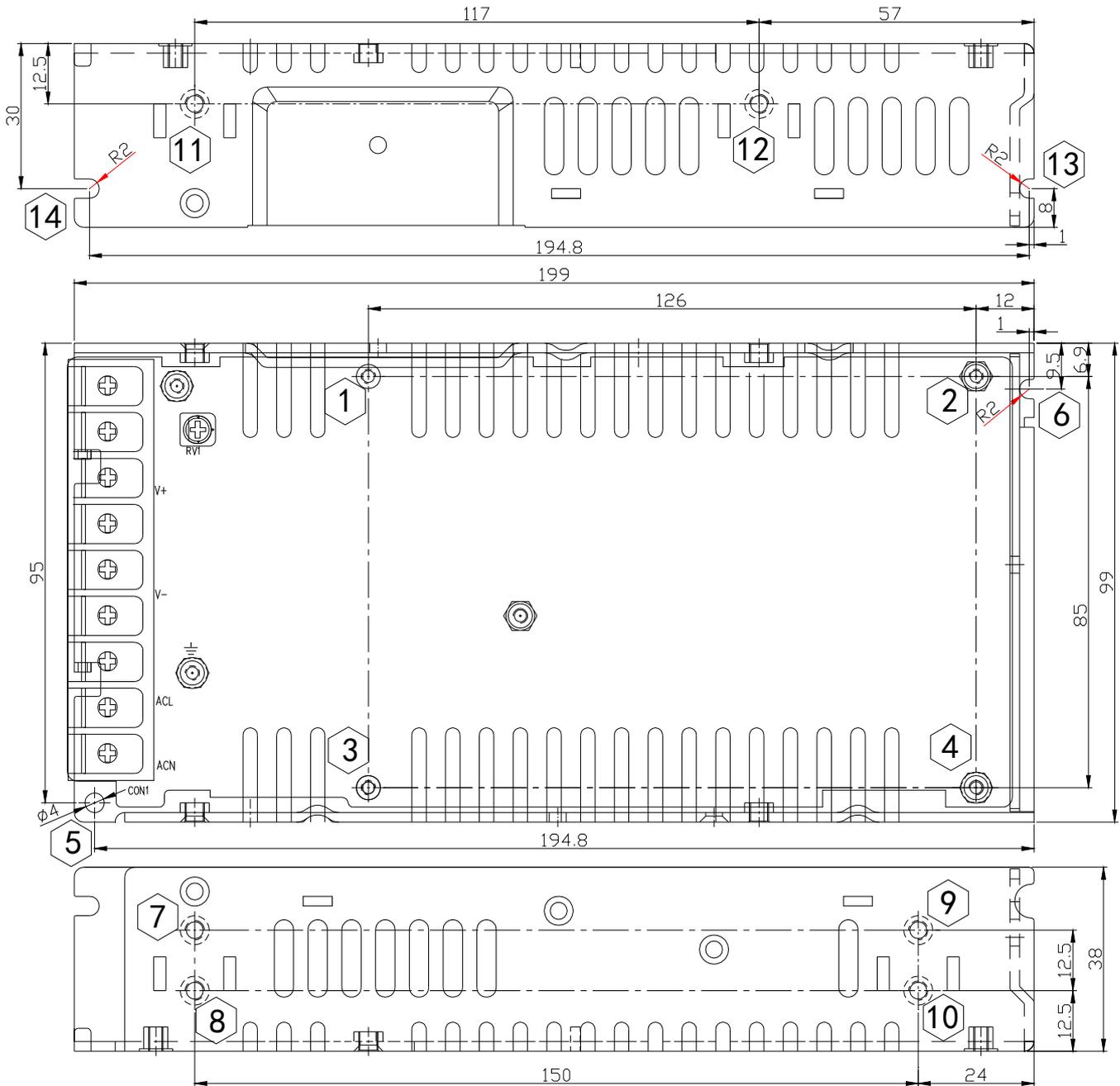
- Universal AC input range(85~264Vac)
- Built-in Active PFC function, PF>0.95
- Miniature size, high power density, high efficiency, long life and high reliability
- Output protections: OLP/SCP/OPP
- Wide operating ambient temp (-20℃~65℃)
- Operating altitude up to 5000M
- 100% full load burn-in test
- Easy assembling from top side
- PCB soldering side with conformal coating
- Suitable for critical applications
- 3 years warranty

SPECIFICATION

MODEL		PWF-150L-12	PWF-150L-24	PWF-150L-27.6	PWF-100L-48	
OUTPUT	DC Output	12V	24V	27.6V	48V	
	Rated Current	12.5A	6.3A	5.4A	3.2A	
	Current Range	Note 1 0~12.5A	0~6.3A	0~5.4A	0~3.2A	
	Ripple and Noise	0~65℃	≤100mV	≤150mV	≤240mV	≤240mV
		Note 2 -20~0℃	≤200mV	≤300mV	≤480mV	≤480mV
	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	≥15mS (115 / 230VAC , FULL LOAD)					
Temperature Coefficient	±0.03%/℃					
Overshoot and Undershoot	<5.0%					
INPUT	Voltage Range	85Vac~264Vac				
	Frequency Range	47Hz~63Hz				
	Power factor (typical)	PF>0.98/115VAC PF>0.95/230VAC full load				
	Efficiency (Typical) 230Vac input	≥86%	≥86%	≥86%	≥87%	
	Efficiency (Typical) 120Vac input	≥83%	≥83%	≥83%	≥84%	
	AC Current (max.)	1.7A/115Vac 0.8A/230Vac				
	Inrush Current (Typical)	<50A@230VAC Cold start & <30A@115VAC Cold start				
Leakage Current	Input—output: ≤0.25mA Input—PG: ≤3.5mA					
PROTECTION	Over Load	105%~150% of rated output current, hiccup mode, auto recovery				
	Over power	105%~150% of rated output current, hiccup mode, auto recovery				
	Short Circuit	Long-term mode, auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-20℃~65℃; 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 2 nd Ed; IEC 60950-1:2005(2 nd Ed) ;EN60950-1:2006				
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA.				
	Isolation Resistance	100M ohms				
	EMS Emission	Compliance to EN55022, EN55024, FCC PART 15 CLASS B				
	Harmonic Current	Compliance to EN61000-3-2, Class D				
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level					
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25℃, Full load)				
	Dimension (L*W*H)	199×99×38mm				
	Packing	20PCS/CTN, 15KGS, 0.04CBM				
	Cooling method	Cooling by free air convection				
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. The power supply is considered as a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies" on http://www.powerld.com.cn					

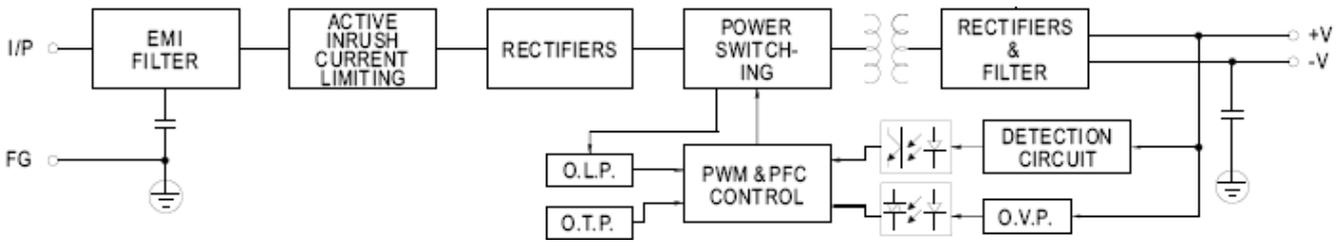
Mechanical Specification

Unit: mm



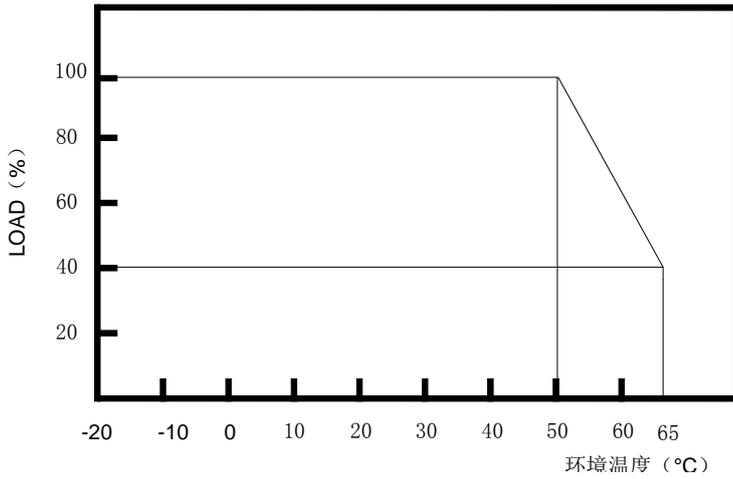
① — ④	M3	2.5mm	6.5Kgf.cm (max)
⑤ — ⑥	M3	4mm	6.5Kgf.cm (max)
⑦ — ⑩	M3	4mm	6.5Kgf.cm (max)
⑪ — ⑫	M3	4mm	6.5Kgf.cm (max)
⑬ — ⑭	M4	4mm	12Kgf.cm (max)

■ **Block Diagram**



■ **Derating Curve**

Derating Curve 负载-环境温度取降曲线



输入电压-负载降额曲线

Ta=25°C

