

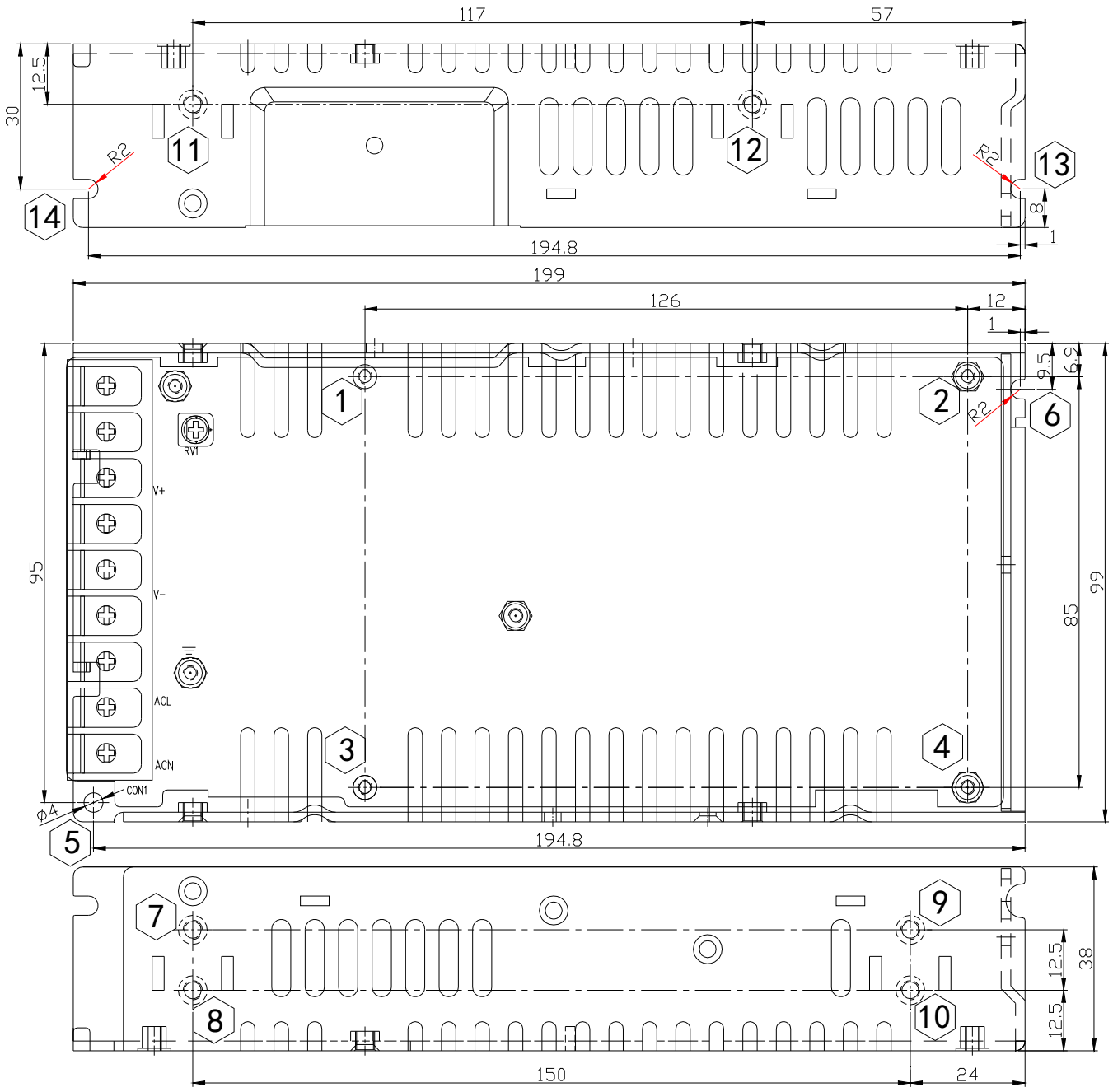

**Features:**

- Universal AC input range (85~264Vac)
- Built-in Active PFC function, PF>0.93
- Miniature size, high power density, high efficiency, long life and high reliability
- Output protections: OLP/SCP/OPP
- Wide operating ambient temp (-20°C~65°C)
- 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**

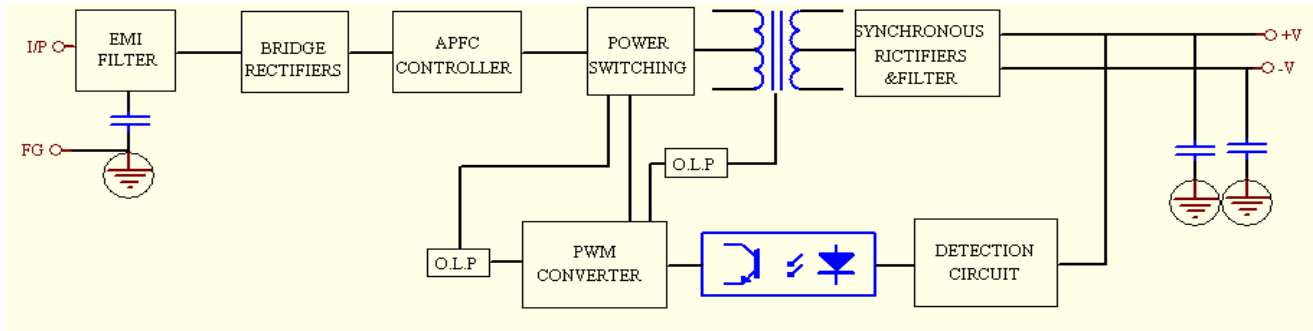
MODEL		PWF-100L-12	PWF-100L-24	PWF-100L-36	PWF-100L-48	
OUTPUT	DC Output	12V	24V	36V	48V	
	Rated Current	8.5A	4.2A	2.75A	2.15A	
	Current Range	Note 1 0~8.5A	0~4.2A	0~2.75A	0~2.15A	
	Ripple and Noise	0~65°C	≤100mV	≤150mV	≤250mV	≤250mV
		Note 2 -20~0°C	≤200mV	≤300mV	≤500mV	≤500mV
	Voltage ADJ. Range	±10% of rated output voltage				
	Voltage Accuracy	±2.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	
	Load Regulation	±0.5%	±0.5%	±1.0%	±0.5%	
	Set-up Time	≤2S (230Vac input, full load)				
	Hold up Time	≥20mS (230Vac input, Full load)				
	Temperature Coefficient	±0.03%/°C				
Overshoot and Undershoot	<5.0%					
INPUT	Voltage Range	85Vac~264Vac				
	Frequency Range	47Hz~63Hz				
	Power factor (typical)	PF>0.93@230Vac				
	Efficiency (Typical) 230Vac input	≥85%	≥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				
	Leakage Current	Input—output: ≤0.25mA Input—PG: ≤3.5mA				
PROTECTION	Over Load	105%~200% of rated output current, hiccup mode, auto recovery				
	Over power	105%~200% of rated output current, hiccup mode, auto recovery				
	Short Circuit	Long-term mode, auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~65°C; 20%~90%RH No condensing (refer to the derating curve)				
	Storage Temp. & Hum.	-20°C~85°C; 10%~95%RH No condensing				
SAFETY & EMC Note 3	Safety Standards	UL60950-1 2 <sup>nd</sup> Ed; IEC 60950-1:2005(2 <sup>nd</sup> 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°C, Full load)				
	Dimension (L*W*H)	199×99×38mm				
	Packing	20PCS/CTN, 14.5KGS, 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°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 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 <a href="http://www.powerld.com.cn">http://www.powerld.com.cn</a>					

**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

