

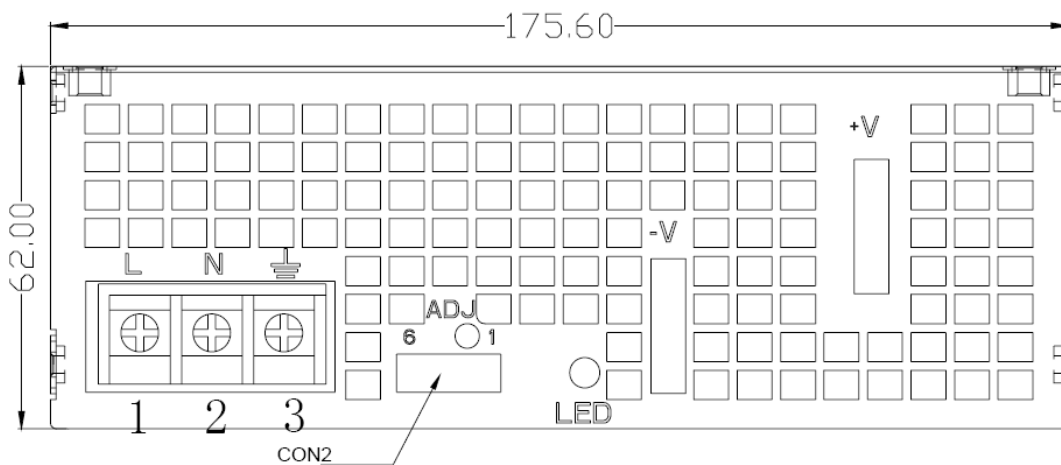
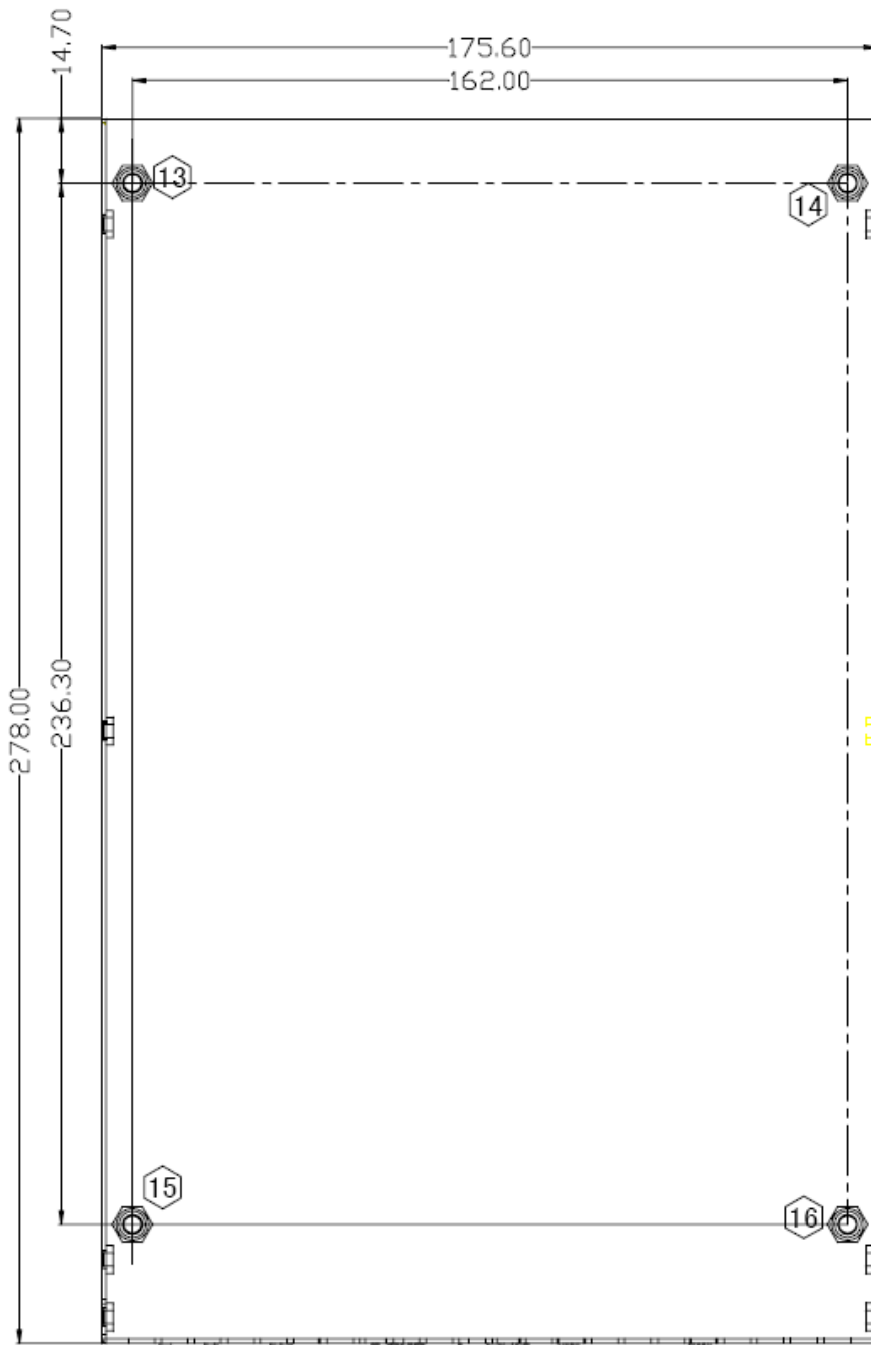

■ Features:

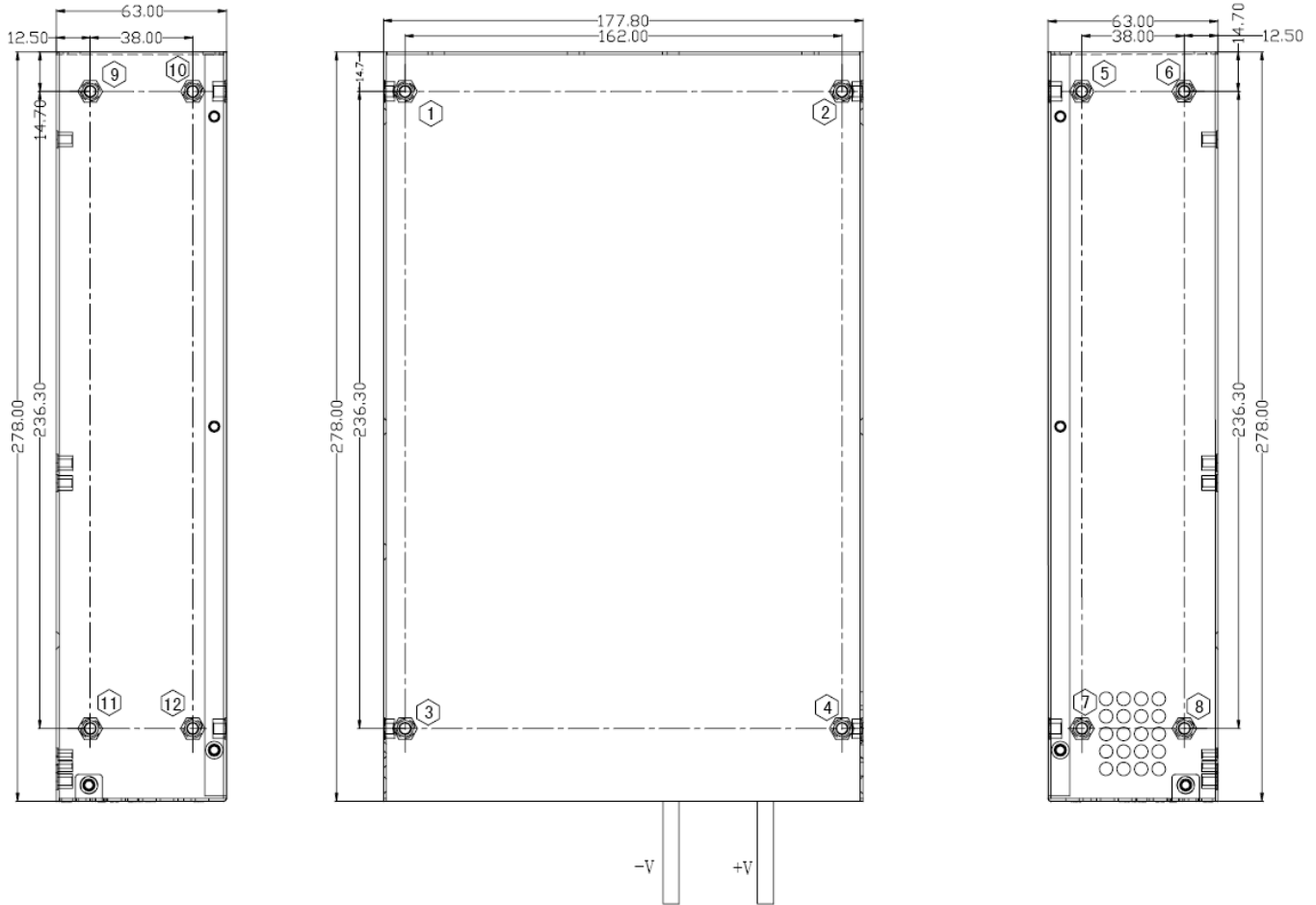
- High AC input (180~264Vac)
- High efficiency, long life and high reliability
- Built-in active PFC function, PF ≥ 0.95
- Output protection: OVP/OLP/SCP/OTP/Input low-voltage protection/Fan failure protection
- Build in DC OK signal
- Wide operating ambient temperature (-20°C~70°C)
- Altitude up to 5000m
- 100% burn-in test
- 3 years warranty

MODEL		PDF-1500-12	PDF-1500-24		
OUTPUT	DC Output	12V	24V		
	Rated Current	125A	62.5A		
	Current range	0~125A	0~62.5A		
	Ripple and Noise	0~70C	≤150mV	≤240mV	
	Note 2	-20C	≤240mV	≤480mV	
	Voltage ADJ. Range	10.8~13.2V	21.6~26.4V		
	Voltage Accuracy	±1%			
	Line Regulation	±0.5%			
	Load Regulation	±1%			
	Set-up Time	≤1.5S (220Vac input, Full load)			
	Hold up Time	≥10mS (220Vac input, Full load)			
	Temperature Coefficient	±0.03%/°C			
	Overshoot and Undershoot	<5.0%			
INPUT	Voltage Range	180Vac~264Vac			
	Frequency Range	47Hz~63Hz			
	Power Factor(Typical)	PF ≥ 0.95/200VAC	Full Load		
	Efficiency (Typical)	≥89%	≥90%		
	AC Current (max.)	<15 A/220Vac			
	Inrush Current (Typical)	<20A @220Vac	Cold start		
	No load power dissipation	<60W			
	Leakage Current	Input—output: ≤0.25mA	Input—PG: ≤3.5mA (input 264Vac,63Hz)		
PROTECTION	Input	Low-voltage protect point	130~165Vac		
		Recovery point	150~175Vac		
	Output	Over Load	135~160A	85A~100A	
			Protection type: shut down, turn off and re-power on		
		Low-voltage	12V: When output voltage ≤ 4.5V, shut down, turn off and re-power on		
			24V: When output voltage ≤ 10V, shut down, turn off and re-power on		
		Over Voltage	Only 12V: 13.6~15.6V, shut down, auto recovery		
		Over Temperature	85~95°C (detect on PFC's MOS);shut down, auto recovery after the temperature goes down to 50°C		
Short Circuit	Long-term mode, constant current, auto recovery				
Fan failure detection	When any fan failed, shut down, auto recovery				
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~70°C; 20%~90%RH No condensing (refer to derating curve)			
	Storage Temp. & Hum.	-20°C~80°C; 10%~95%RH No condensing			
SAFETY & EMC (Note 3)	Safety Standards	EN60950			
	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, FCC PART 15 CLASS A			
	Harmonic Current	Compliance to EN61000-3-2,Class D			
OTHERS	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;			
	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)			
	Dimension (L*W*H)	278×177.8×63mm			
DC OK signal	12V:When output voltage ≤4.5V, shut down, TTL ≤0.4V; when output voltage ≥4.5V,working, TTL is 2.5~5.25V				

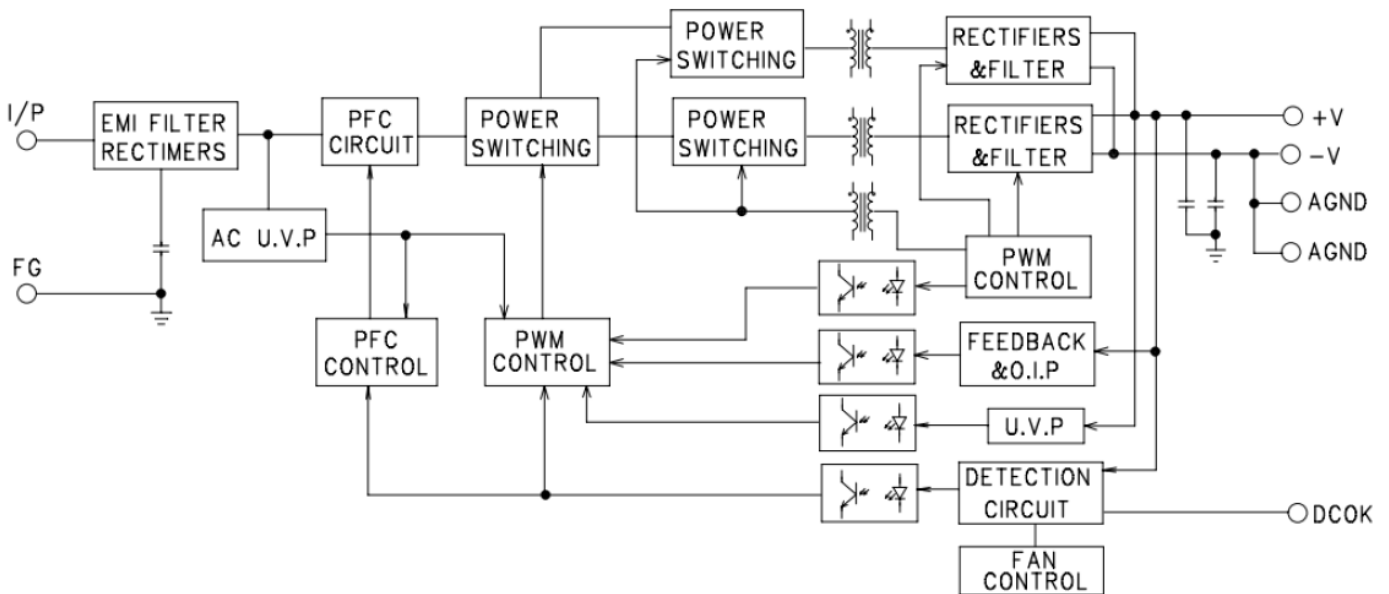
		24V: When output voltage $\leq 10V$, shut down, TTL $\leq 0.4V$; when output voltage $\geq 10V$, working, TTL is 2.5-5.25V
	Packing	2PCS/CTN, 7.0Kgs, 0.04CBM
	Cooling method	Forced air cooling
NOTE	<p>1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.</p> <p>2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor.</p> <p>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.</p>	

■ Mechanical Specification Unit:mm





Installation method	Mounthing holes No.	Screw specs	Lmax	Torque max
Bottom Installation	1~4	M4	2.5mm	10Kgf.cm(max)
Side Installation	5~12	M4	4mm	10Kgf.cm(max)
Top Installation	13~16	M4	4mm	10Kgf.cm(max)

Block Diagram

Derating curve

