

AC/DC ENCLOSED POWER SUPPLY 1200W



STONTRONICS: PDF-1200-24, PDF-1200-48

Features:

- Universal / Full range AC input
- Built in active PFC
- Highly reliable design
- Built in remote sense function
- 3 years warranty
- Withstand 5G Vibration Test
- UL & CE Approved



Description:

The 1200W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 2 models with outputs of either 24v or 48v. Each model is RoHS, CE, UL approved and come with a three year warranty.

Specification		
Part Number	PDF-1200-24	PDF-1200-48
DC Voltage	24V	48V
Rated Current (90~176Vac)	25A	12.5A
Rated Current (176~264Vac)	50A	25A
Ripple & Noise	0°C~+50°C	≤150mV
	-30°C	≤150mV
Voltage ADJ. Range	21~27V	45~53V
Voltage accuracy	±1%	
Line Regulation	±0.5%	
Load Regulation	±1%	±2%
Set-up Time	≤5S (220Vac input, Full load)	
Hold up Time	≥16mS (220Vac input, Full load)	≥10mS (220Vac input, Full load)
Temperature coefficient	±0.03%/°C	
Overshoot and Undershoot	<5.0%	
Input voltage range	90Vac~264Vac	
Input frequency range	47Hz~63Hz	
Efficiency	≥89%	≥90%
AC Current (max.)	≤10 A	
Inrush current	≤20A @220Vac Cold start	
Leakage Current	Input—output: ≤0.25mA Input—PG: ≤3.5mA	
Over Load	105%~125% of rated output current, constant current, auto recovery	
Over Temperature	115°C+5°C(detect on Mosfet temperature); shut down, auto recovery after the temperature goes down to 75°C	
Over Voltage	110%~130% of rated output voltage, constant voltage, auto recovery	
Short Circuit	Long-term mode, auto recovery	
Operating amb. Temp. & Hum.	-30°C~50°C; 20%~90% RH No condensing (refer to derating curve)	-40°C to +50°C; 20%~90% RH No condensing (refer to derating curve)
Storage Temp. & Hum.	-40°C~85°C; 10%~95% RH No condensing	
Safety Standards	IEC60950/ UL60950 /; EN60950-1:2006	
Withstand Voltage	Primary-Secondary: 3.0kVa; ≤10mA. Primary-PG:1.5kVac; ≤10mA. Secondary-PG:0.5kVDC; ≤10mA.	
Isolation Resistance	≥100M ohms	
EMI Conduction & Radiation	Compliance to EN55022 Class A	
Harmonic Current	Compliance to EN61000-3-2, Class D	
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level	
MTBF	More than 200,000Hrs (25°C, Full load)	
Dimensions (L*W*H)	226x116.5x41mm	
Packing	8PCS/CTN, 11.7KGS, 0.04CBM	
Cooling method	Forced air cooling (Built-in fan, the fan speed is controlled by load and internal temp.)	

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

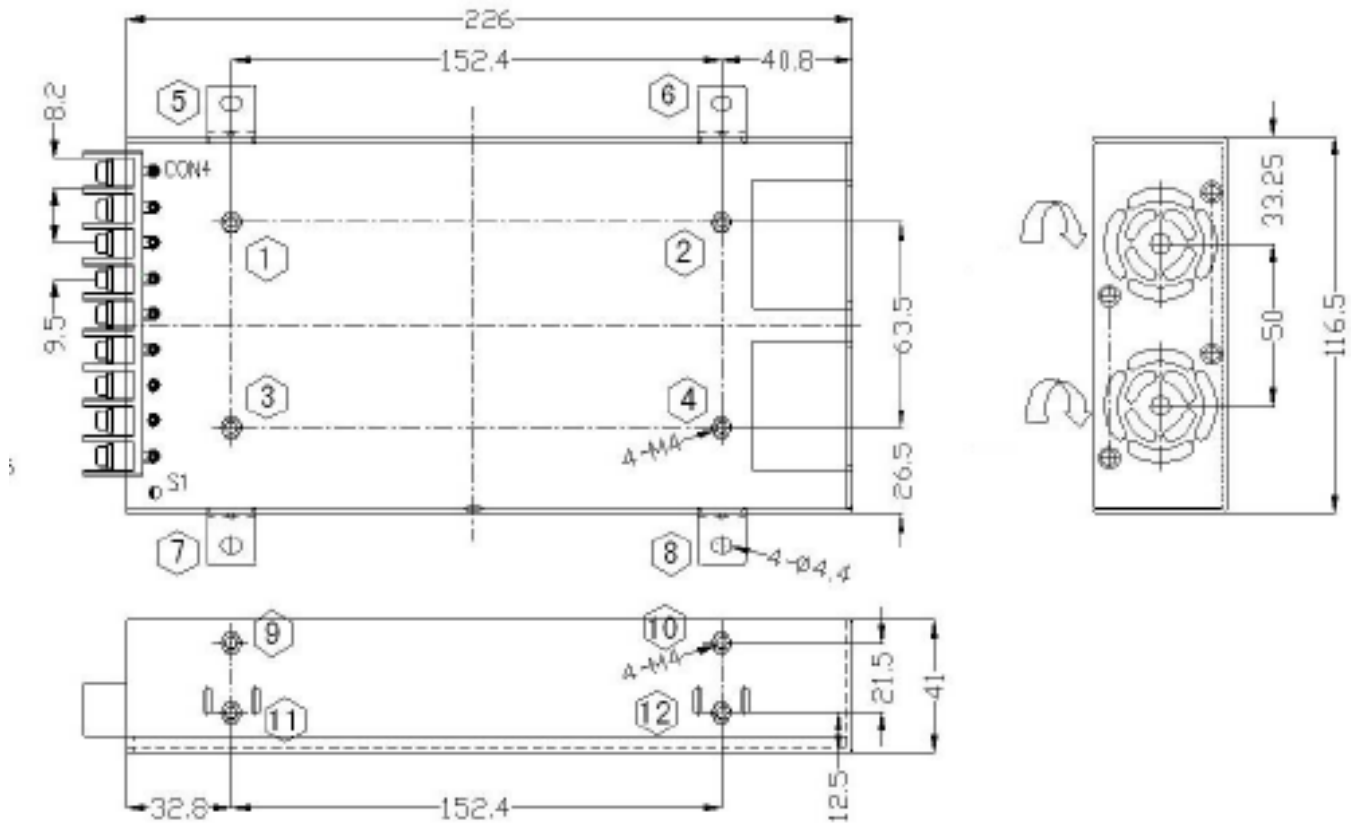
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Diagram



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