

# 480W ENCLOSED POWER SUPPLY RANGE



STONTRONICS: PDF-480-12, PDF-480-24, PDF-480-27, PDF-480-36, PDF-480-48



## Features:

- Universal / Full range AC input
- Built in active PFC
- Highly reliable design
- 100% full load burn-in test
- 3 years warranty

## Description:

The 480W 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 5 models with outputs of either 12v,24v,27v,36v or 48v. Each model is RoHS, CE, UL approved and come with a three year warranty.

Specification					
Part Number	PDF-480-12	PDF-480-24	PDF-480-27	PDF-480-36	PDF-480-48
DC Output	12V	24V	27V	36V	48V
Rated Output Current	34A	22A	18A	14A	11A
Ripple & Noise	180mV	150mV	150mV	150mV	200mV
Voltage ADJ. Range	-5% - +10% of rated output voltage				
Voltage Accuracy	+/-2%				
Line Regulation	+/-0.5%	+/-0.5%	+/-0.5%	+/-0.5%	+/-0.2%
Load Regulation	+/-1%				
Set-up Time	<1.5S (230Vac input Full load)				
Hold up Time	>16mS				
Temperature Coefficient	+/-0.05%				
Overshoot and Undershoot	<5%				
Input Voltage Range	90Vac - 264Vac				
Input Frequency Range	47Hz-63Hz				
Efficiency	88%	89%	89%	90%	90%
AC Current (max.)	9A				
Inrush Current (max.)	<20A@230Vac Cold Start				
Leakage Current	Input-output <0.25mA Input-PG: <3.5mA				
Over Load Protection	105 - 135% of rated output current, constant current				
Short Circuit	Long term mode, auto recovery				
Operating Temp. & Humidity	-30 to 70°C 20 to 90%RH (No condensing)				
Storage Temp. & Humidity	-40 to 85°C 10 to 95%RH (No condensing)				
Safety Standards	UL60950-1, EN60950-1: 2006; IEC 60950-1:2005				
Withstand Voltage	Primary-Secondary: 3KVac <10mA Primary-PG:1.5KVac; <10mA Secondary PG:0.5KVDC<10mA				
Isolation Resistance	>100M ohms				
EMI Conduction Radiation	Compliance to EN55022 Class B				
Harmonic Current	Compliance to EN61000-3-2. class D				
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, heavy industry level				
MTBF	>200,000 Hours				
Dimension	218mm x 116.5mm x 41mm				
Packing	6PCS/CTN 8.7Kgs				
Cooling Method	Cooling by forced air (built in fan)				

## 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.

## STONTRONICS

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