

OPEN FRAME POWER SUPPLY

48VDC 45WATT

STONTRONICS: PS-45-S48



Features:

- Universal Input
- High Efficiency
- 3 Year Warranty
- Efficiency Level VI



Description:

The 45W open frame power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. Each model is approved to CE, CB, UL and comes with a 3 year warranty.

SPECIFICATION	
MODEL	PS-45-S48
DC Output	48v
Rated Current	1A
Ripple and Noise	0°C-60°C - <120mV/ -10°C - 0°C - <200mV
Voltage Range	45.6-52.8V
Voltage Accuracy	±3.0%
Line Regulation	±1.0%
Load Regulation	±3.0%
Set-up Time	≤0.8S @ 230Vac full load
Hold up Time	≥60mS @ 230Vac full load
Temperature Coefficient	±0.05%/
Overshoot and Undershoot	<5.0%
Voltage Range	90Vac~264Vac
Frequency Range	47Hz-63Hz
Efficiency	>86%
AC Current (max.)	<1A (115VAC) <0.6A (230VAC)
Inrush Current	<20A@115Vac <45A@230Vac Cold start
Leakage Current	Input to Output: ≤ 0.25mA ; Input to PG: ≤ 3.5mA
Over Load	3.9-6.2A/ Hiccup mode, auto recovery
Over Voltage	13.8-16.2V/Constant voltage, Auto recovery
Over Power	46.8-75W/Hiccup mode, auto recovery
Shorted Circuit	Long-term mode, auto recovery
Operating amb. Temp. & Hum.	-10°C~60°C; 20%~90%RH No condensing
Storage Temp. & Hum.	-2°C~85°C; 10%~95%RH No condensing
Safety Standards	UL60950-1; EN60950-1: 2006
Withstand Voltage	Input-Output:3.0KVac/10mA ; Output-PG: 1.5KVac/10mA;Output-PG: 0.5KVdc/10mA
MTBF	200K
Dimension	101.6×51×28mm
Packing	60PCS/CTN, 11KGS
Cooling method	Cooling by free air convection

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

TT Electronics IoT Solutions Ltd
Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK
t: +44 (0) 1429 852 500

OPEN FRAME POWER SUPPLY

48VDC 45WATT

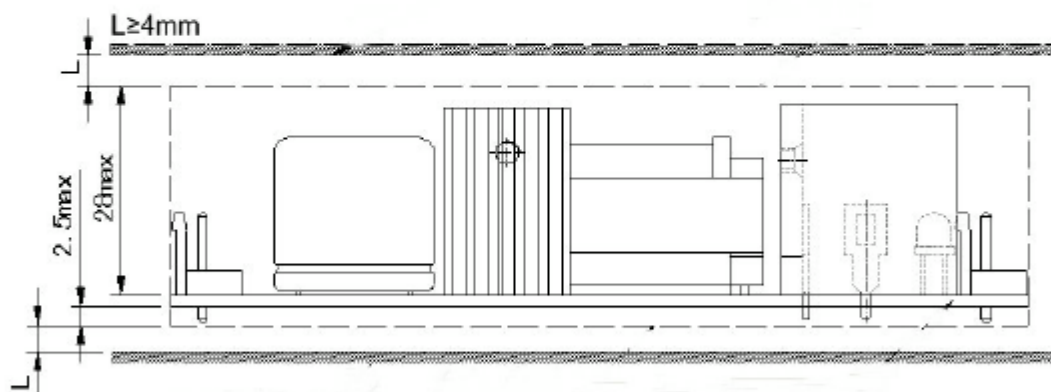
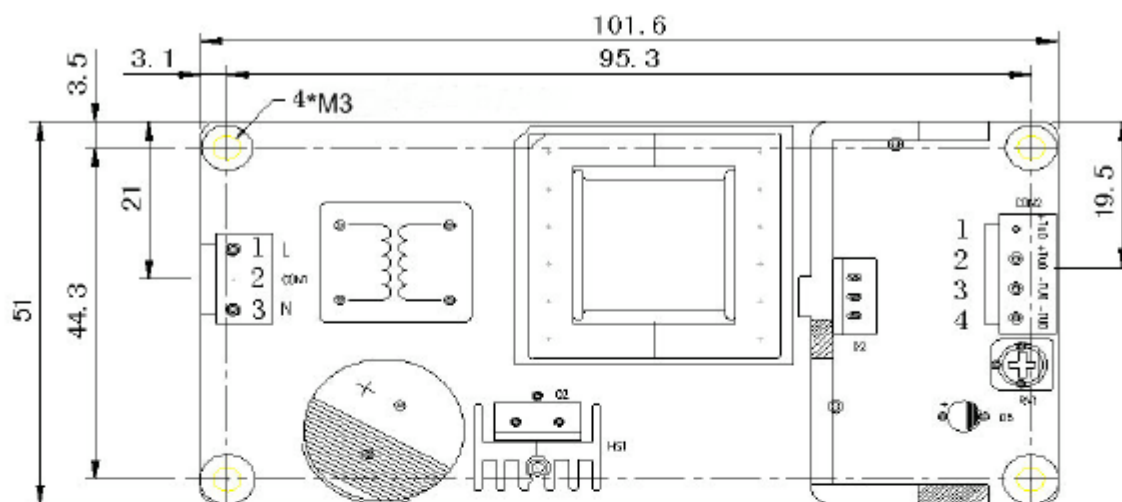
STONTRONICS: PS-45-S48



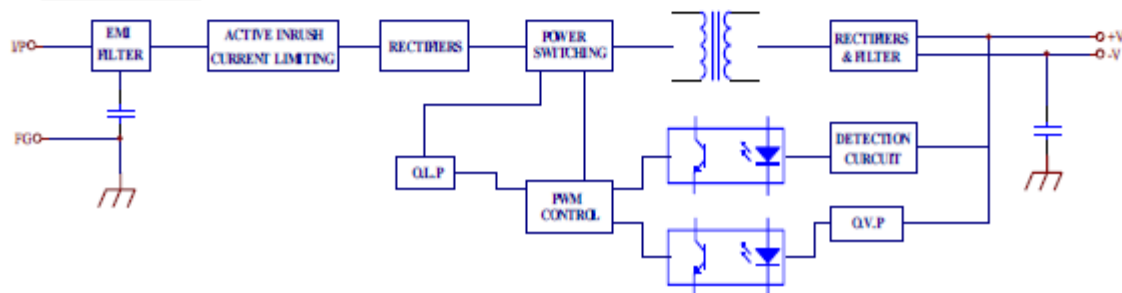
Diagrams

Mechanical Specification

Unit: mm



Block Diagram



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

TT Electronics IoT Solutions Ltd
Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK
t: +44 (0) 1429 852 500