

# OPEN FRAME POWER SUPPLY 12VDC 54WATT



## STONTRONICS: PS-60-12



### Features:

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

### Description:

The 54W 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
Part Number	PS-60-12
DC Output	12V
Output Current	4.5A
Ripple & Noise	<120mV
Output Voltage Adj. Range	11.2 - 13.4V
Line Regulation	+/-0.5%
Load Regulation	+/-2%
Hold up Time	>20mS (230Vac input, Full Load)
Temperature Coefficient	+/-0.03%
Overshoot and Undershoot	<5%
Input Voltage Range	90Vac - 264Vac, 127Vdc - 370Vdc
Input Frequency Range	47-63Hz
Input Efficiency	83%
Input Current (Max)	<1.5A
Inrush Current	<30A@120Vac <60A@230Vac Cold Start
Leakage Current	<0.25mA
Over Load Protection	105-180% of Rated Output Current, Hiccup Mode, Auto Recovery
Over Voltage Protection	110-150% of Rated Output Voltage, Constant Voltage
Short Circuit Protection	Long Term Mode, Auto Recovery
Operating Temp & Hum.	-25°C - 70°C 20% - 90%
Storage Temp & Hum.	-40°C - 85°C 10% - 95%
Safety Standards	UL60950-1; EN60950-1; 2006
Withstand Voltage	Primary - Secondary 3KVac
Isolation Resistance	>100M ohms
EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light Industry Level Criteria A
MTBF	>200000 Hours
Dimensions	101.6mm x 50.8mm x 30mm
Cooling Method	Cooling by Free Air Convection

### General Note

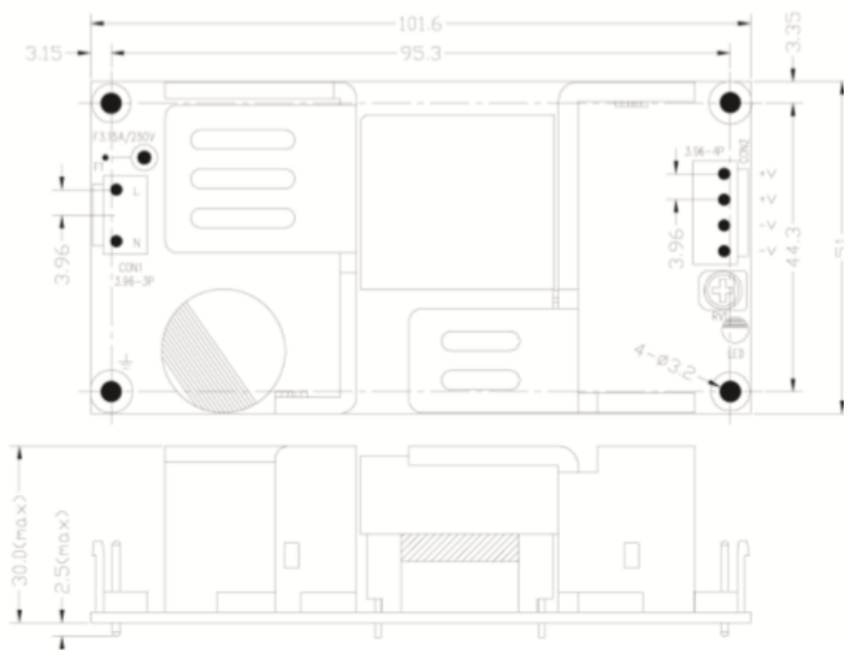
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

### STONTRONICS

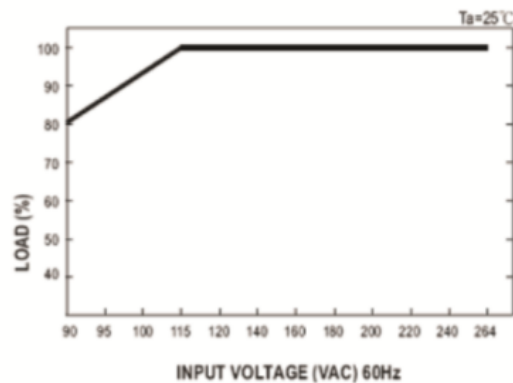
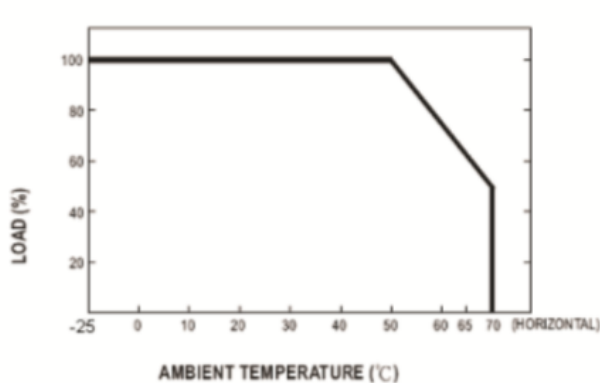
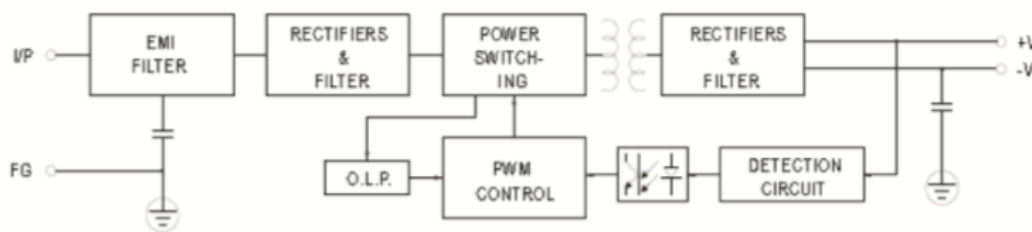
TT Electronics IoT Solutions Ltd  
Tofts Farm East, Brenda Road, Hartlepool, TS25 2BQ, UK  
t: +44 (0) 1429 852 500

# OPEN FRAME POWER SUPPLY 12VDC 54WATT

STONTRONICS: PS-60-12



Item	Connectors	Mating Housing	Contacts
AC IN(CON1)	LANDWIN3961P0300T (Central Pin removed)	LANDWIN 3960S or JST VHR or Molex 51144	LANDWIN 3963T011R or JST SVH-21T-P1.1 Or Molex 50539
DC OUT(CON2)	LANDWIN 3961P0400T		



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