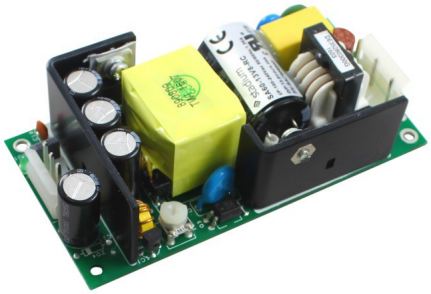
SA60 POWER SUPPLY RANGE

SA60



Features:

- United Kingdom Fixed AC Head
- 1 Year Warranty
- Level VI Efficiency
- CE Approved

Description:

The SA60 unit delivers up to 60W at 50°C across the full input range of 90 – 264VAC. These units are typically rated at 85% efficiency and are CE marked and UL approved for ITE applications. They comply with a wide range of international standards such as EN61000-3-2 PFC Class A, EN55022 Level B (conducted) and Level A (radiated).

Manufacturers Part Number	SA60-5	SA60-12	SA60-13.8	SA60-24	SA60-27.6	SA60-32	SA60-48
Part Number	T6414ST	T6145ST	T6277SG	T6416ST	T6278SG	T6239SG	T6294SG
Output Voltage	5V	12V	13.8	24.8	27.6	32	48
Output Current	8A	5A	4.35A	2.5A	2.16A	1.87A	1.25A

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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Specification

Characteristics	
Input Voltage	100-230Vac +/- 10%
Frequency Range	50-60Hz
Temperature Range	0-50° ambient (Convection cooled – Uncased)
Input Fuse	T2H 250V TR5
Input Current	1.25Arms (90Vacin, 60W load)
Hold-up Time	8ms (110Vacin, 60W load), 70ms (230Vacin, 60W load)
Power Factor	0.45 (230Vacin, Full load)
Standby Power	0.5W (230Vacin)
Power Limit	115% +/-10% (100Vacin)
Efficiency	Up to 89% (230Vacin, Full load, 48V unit)
OVP	105-125% (latching and non dissipative) recycle input to restart
Short Circuit Protection	Hiccup mode
Signals	O/p LED
Current Limit	Primary side power limit
Thermal Protection	Primary side thermal protection (non-latching)
Load Regulation	+/-0.5%
Line Regulation	+/-0.5%
Ripple & Noise	0.5% (230Vacin, Full load, BW = DC – 10MHz)
Temperature	0°C to +70°C (Derate 2.5% / °C above 50°C)
Cooling	Convection only
Humidity	10-95% non-condensing
Storage	-25°C to +85°C
MTBF	>200,000 hrs 25°C (MIL217F parts count method)
Safety	Certified to EN60950, CE marked against LVD Approved to UL60950 (E207000), CSA C22.2 No.60950 Designed to meet EN60601-1 Designed to meet EN61010-1

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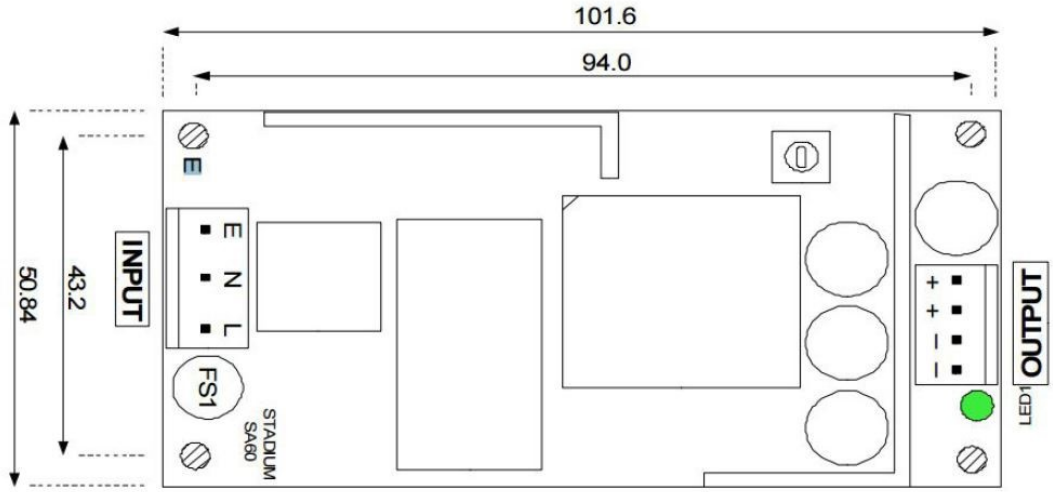
Diagram

Mounting and Connection Diagram



(All dimensions in mm)

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