

FEATURES

- Type C EU plug for power signal conversion (AC/DC-DC)
- Switched-mode regulated power supply
- Input voltage range of 100 V AC to 240 V AC
- One output with a voltage of 24 V DC
- Output current of 500mA
- 2.1 mm x 5.5 mm x 12mm centre positive output connector
- Maximum input current of 400 mA
- Input frequency range of 47 - 63 Hz
- 12 W power rating
- 83.26% efficiency
- VI energy efficiency level with 83.26% efficiency
- Overload and overvoltage protection

RS PRO, 12W Plug In Power Supply 24V dc, 500mA, Level VI Efficiency, 1 Output Switched Mode Power Supply, Type C

RS Stock No.: 175-3306



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This RS PRO AC/DC plug-in power supply is suited to a variety of general power applications. It has a switched-mode power supply that provides you with 12 W of continuous power via its type C European plug.

The plus is part of the RS PRO class II range and has a neat fixed-wall enclosure. Efficient and well regulated, it comes with Level VI Efficiency to offer 83.26% electrical efficiency. Plus, it's CE approved and meets EU standards for environmental impact as well as health and safety. It has a type C European plug and a UK Fixed AC Head for your connection.

General Specifications

Type	Switched Mode Power Supply
Plug Type	Type C
Output Connector	2.1 x 5.5 x 12 mm Centre Positive
Input Connector	EU Plug
Number Of Outputs	1
Regulated/Unregulated	Regulated
Efficiency	83.26% Min.
Energy Efficiency Level	VI
Applications	This adapter has a range of application use such as Point of sale; Wireless communications; Peripherals; Networking; Telecommunication equipment

Electrical Specifications

Output Voltage	24VDC
Input Voltage	100VAC to 240VAC
Output Current	500mA
Power Rating	12W
Load Regulation	±5%
Leakage Current	0.25mA max
Overcurrent Protection	1A
Overvoltage Protection	25.5VDC Max.
Input Frequency	47Hz to 63Hz
Ripple And Noise	240mVp-p
MTBF	50K Hours
Line Regulation	+/-5%
Load Regulation	+/-5%

Mechanical Specifications

Width	41mm
Length	78.98mm
Depth	49.2mm
Weight	85g

Operation Environment Specifications

Maximum Temperature	+50°C
Minimum Temperature	0°C
Storage Temperature Range	-20°C to +80°C
Humidity	10% to 90% RH

Approvals

Standards Met	Meet Declared & CE Mark
Safety Requirements	TUV/VDE-EN60950-1

Specification	
RS Stock Number	1753306
Input Voltage Range	100-240Vac
Input Frequency Range	47-63Hz
Input Current Rated	0.4A Max
Output Voltage Rating	+24V
Output Current Range	0.5A
Output Min Current	0.01A
Output Connection Type	2.1x5.5x12mm Centre Positive – Straight
Total Output Regulation	+/- 5%
Line and Load Regulation	+/- 5%
Ripple & Noise	240mVp-p
Efficiency	83.26%Min
Over Voltage Protection	25.5vdc Max
Over Load Protection	1A
Operating Temperature	0 to +50°C
Storage Temperature	-20 to +80°C
Operating Humidity	10 to 90%
Storage Humidity	10 to 90%
Hi-Pot	3000VAC 10mA 1min
Leakage Current	0.25mA max
Safety Standard	Meet TUV/VDE-EN60950-1
EMI Standard	Meet Declared& CE Mark
MTBF	50K Hours
Size mm max.	78.98 (L) 41 (W) *49.2 (H)
Weight	85 g
Regulator Type	Switched Mode Power Supply