

FEATURES

- Energy saving compact design
- Regulated output
- LED status indication
- Energy Efficiency Level VI
- IEC320 C14 input socket

RS PRO 24V dc Power Supply, 3A, C14 Connector

RS Stock No.: 904-8503



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 unit is equipped with a single output connector which allows you to select between four different sized coaxial plugs. The sizes supplied are widely used, industry standard 1.75mm, 2.1mm, 2.5mm and 3mm coaxial plugs making these units suitable for many potential applications. Our RS Pro line of desktop power supplies provides a reliable & robust power supply solution. They come equipped with over voltage, over current & short circuit protection.

General Specifications

Input Connector	C14
Input Plug Type	C14
Output Connection Type	1.75 x 4.75 x 11 mm Centre Positive Female Coaxial Plug, 2.1 x 5.5 x 10.5 mm Centre Positive Female Coaxial Plug, 2.5 x 5.5 x 12.5 mm Centre Positive Female Coaxial Plug, 3 x 6.3 x 12 mm Centre Positive Female Coaxial Plug
Number of Outputs	1
Energy Efficiency Level	VI
MTBF	>30,000 hours
Power Indicator	LED Indicator for power on
Cable Length	1200mm
Application	Speakers, Chargers, CCTV Cameras, Lamps and Lights

Electrical Specifications

Input Specifications	
Rated Input Voltage	100VAC to 240VAC
Full Input Voltage Range	100VAC to 240VAC
Rated Frequency	50/60Hz
Full Frequency Range	47/63Hz
Efficiency	88%
Input Current (RMS Max.)	1.3A
Inrush Current	120A at 230VAC

Output Specification	
Output Voltage Rating	24VDC
Output Current Range	3A
Rated output Power	72W
Ripple & Noise (max.)	1.5%
Line Regulation	±3.0%
Load Regulation	±5.0%
No Load Power Consumption	<0.21W
Setup, Rise Time	≤3s
Hold Up Time (Typ.)	≥10mS
Overload protection	Auto recovery
Over Voltage Protection	latched
Over Temperature Protection	latched
Short Circuit Protection	Auto recovery

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	113mm x 49mm x 35mm
Overall Length	113mm
Overall Depth	35mm
Overall Width	49mm
Weight	300g

Operation Environment Specifications

Operating Humidity	5% to 95% RH non-condensing
Operating Temperature Range	0°C to 40°C
Storage Temperature Range	-20°C to 85°C

Approvals

Safety Standard	UL/CUL TUV, CB, FCC, CCC, CE, GS, PSE, BSMI, CU, RCM, UL-AR S Mark
EMC Emission	Compliance to EN55022, AS/NZS CISPR22



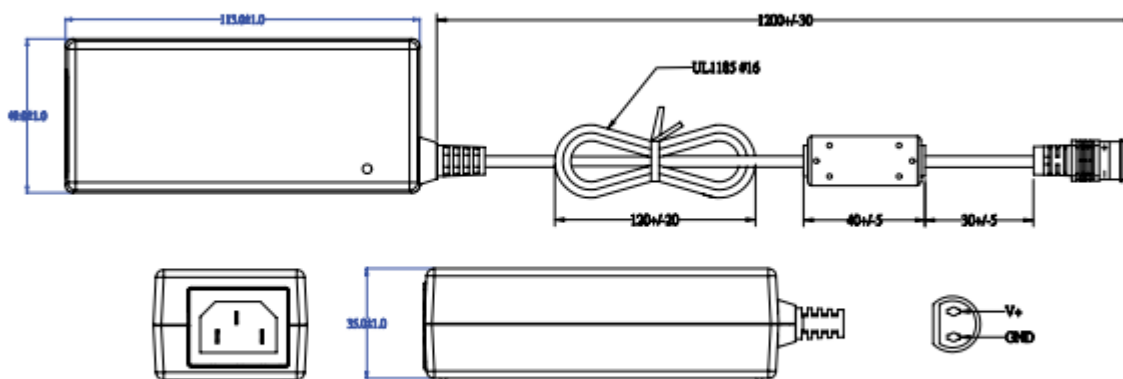
Electrical Specifications

RS STOCK NO.	MODEL OUTPUT	VOLTAGE (Vo)	MAX. LOAD (Io)	POWER (Watts)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
904-8480	EA10681U(17)	12V	6.0A	72W	+/- 5%	+/- 3%	2%
904-8503	EA10681V(08)	24V	3.0A	72W	+/- 5%	+/- 3%	1.5%

NOTE:

1: Ripple & noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uf ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2: Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.



- Case Size: 113Lx49Wx35H (mm)
- AC Inlet: C14
- Weight: 300g

4.75 / 1.75 / 11.00mm



5.5 / 2.1 / 10.50mm



5.5 / 2.5 / 12.5mm



6.3 / 3.0 / 12.00mm

