

## FEATURES

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

## RS PRO 5V dc Power Supply, 4A, C14 Connector

RS Stock No.: 904-8474



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

Brought to you by RS Pro, a range of desktop power supplies. Perfect for various devices like laptops and CCTV cameras. Ensuring the appliance is compatible, the performance and energy efficiency of these power supplies propel them way ahead of the competition. All models are highly reliable and excellent quality.

## General Specifications

<b>Input Connector</b>	C14
<b>Input Plug Type</b>	C14
<b>Output Connection Type</b>	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
<b>Number of Outputs</b>	1
<b>Energy Efficiency Level</b>	VI
<b>MTBF</b>	>30,000 hours
<b>Power Indicator</b>	LED Indicator for power on
<b>Cable Length</b>	1200mm
<b>Application</b>	Laptop, Speakers, Chargers, CCTV Cameras, Lamps and Lights

## Electrical Specifications

<b>Input Specifications</b>	
<b>Rated Input Voltage</b>	100 to 240V ac
<b>Full Input Voltage Range</b>	100 to 240V ac
<b>Rated Frequency</b>	50/60Hz
<b>Full Frequency Range</b>	47/63Hz
<b>Efficiency</b>	meets CEC Level VI
<b>Input Current (RMS Max.)</b>	≤ 1A
<b>Inrush Current</b>	≤60A at cold start

Output Specification	
Output Voltage Rating	5V dc
Output Current Range	4A
Rated output Power	20W
Ripple & Noise (max.)	2.0%
Line Regulation	±1.0%
Load Regulation	±5.0%
No Load Power Consumption	<0.1W
Setup, Rise Time	≤3s
Hold Up Time (Typ.)	≥8.3mS
Overload protection	Auto recovery
Over Voltage Protection	Auto recovery
Over Temperature Protection	Auto recovery
Short Circuit Protection	Auto recovery

## Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	100mm x 45mm x 31mm
Overall Length	100mm
Overall Depth	31mm
Overall Width	45mm
Weight	200g

## Operation Environment Specifications

Operating Humidity	10% 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 UL60950-1, EN/IEC60950-1, TUV/SUD, GS, CB, CE, FCC
EMC Emission	Compliance to EN 55022 Class B

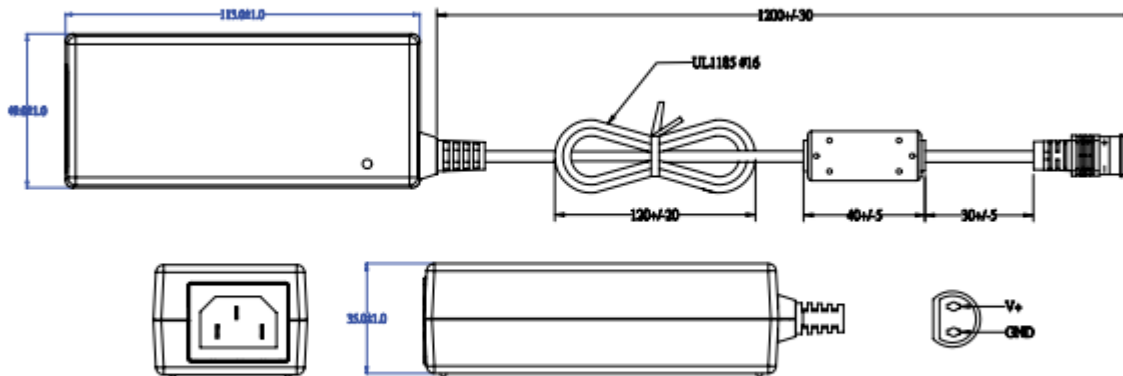


### Electrical Specifications

RS STOCK NO.	MODEL OUTPUT	VOLTAGE (Vo)	MAX. LOAD (Lo)	POWER (Watts)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
904-8474	EA1024C(01)	5V	4.0A	20W	+/- 5%	+/- 1%	2%
904-8483	EA1024C1(02)	6V	4.0A	24W	+/- 5%	+/- 1%	2%
904-8486	EA1024P1(11)	12V	3.0A	36W	+/- 5%	+/- 1%	1.5%
904-8509	EA1024R1(02)	24V	1.5A	36W	+/- 5%	+/- 1%	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

