

FEATURES

- Universal input voltage of 90 Vac to 264 Vac
- 12V dc output voltage
- 36W power rating
- ErP Level V Compliant
- Interchangeable AC mains plugs for use in UK, Europe, USA and Australia
- 1.5m cable length
- 2.1mm x 5.5mm x 9.5mm mm DC connector
- Over voltage, over current and short circuit protection

RS PRO, 36W AC DC Adapter 12V dc, 3A, Level V Efficiency, 1 Output, Type C

RS Stock No.: 731-6068



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 ATTRIBUTE 1

From RS Pro a high quality and versatile plug-in AC-DC adapter for converting AC mains current into DC voltage for a wide range of DC applications. The AC adapter is supplied with interchangeable AC mains plugs for use in the UK, Australia, China, Europe, US and Japan. This AC adapter conforms to the Energy-related Product Directive 2009/125/EC and is ErP Level V compliant

General Specifications

Type	AC/AC Adapter
Plug Type	Type C
Output Connector	2.5 x 5.5 x 9.5 mm Centre Positive
Input Connector	EU Plug
Number Of Outputs	1
Efficiency	84% typ
Energy Efficiency Level	V
Applications	Computer peripherals, Networking equipment, Portable equipment, Tablets and Laptops, Smartphones, Instrumentation, Telecommunications equipment

Electrical Specifications

Output Voltage	EA1036R(M03), 12V dc
Input Voltage	100V ac, 110V ac, 115V ac, 120Vac, 127V ac, 220Vac, 230V ac, 240V ac
Output Current	3A
Power Rating	36W
Load Regulation	±5%
Input Frequency	50Hz to 60Hz
Hold-up time, nom. conditions	≥8.3mS
Inrush Current	60A at 230VAC
Ripple and Noise	1.3%
MTBF	>30,000-50,000 hours
Turn On Delay	3s Max
Line Regulation	+/-1%
Load Regulation	+/-5%
Short Circuit	Yes

Mechanical Specifications

Cable Length	1.5m
Width	45mm
Length	98mm
Depth	33.5mm
Humidity	5 % to 95%
Weight	220g

Operation Environment Specifications

Maximum Temperature	40°C
Minimum Temperature	0°C

Approvals

Compliance/Certifications	EN 60950-1, UL 60950-1, RoHS
Standards Met	ErP Compliant, UL



RS STOCK NO.	MODEL OUTPUT	VOLTAGE (Vo)	MAX. LOAD (Io)	POWER (Watts)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
731-6056	EA1030R(M02)	12V	2.5A	30W	+/- 5%	+/- 1%	1.3%
731-6052	EA1030DR(M02)	24V	1.25A	30W	+/- 5%	+/- 1%	1%
731-6068	EA1036R(M03)	12V	3A	36W	+/- 5%	+/- 1%	1.3%
731-6065	EA1036DR(M01)	24V	1.5A	36W	+/- 5%	+/- 1%	1%

Electrical Specifications

INPUT

- Input Range 90 to 264 VAC
- Frequency 50 to 60Hz
- Input Current 0.5A at 230VAC
- Inrush Current 60A at 230VAC
- Efficiency 84% Typ.
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 3\text{s}$

OUTPUT

- Over Voltage Protection Auto Recovery
- Short Circuit Protection Auto Recovery

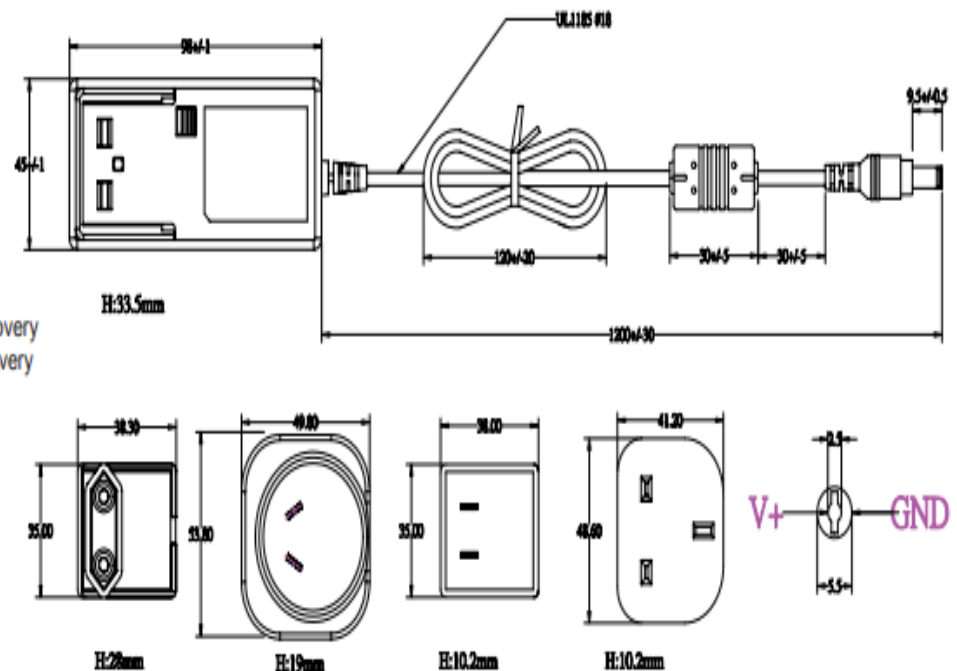
ENVIRONMENTAL

- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85 °C
- Storage Humidity 5 % to 95%

SAFETY

- UL60950-1, EN60950-1, CE

Mechanical Specification



- Case Size: 98Lx45Wx33.5H (mm)
- AC Inlet: Interchangeable
- Weight: 220g