## Features

- Descktop type
- AC IEC C8 socket
- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- MTBF > 100.000 h
- Protections: Overload / Short circuit / Over Voltage
- Pro series

# RS PRO AC/DC Adapters

**RS Stock No.: 0813732**



CONSTANT VOLTAGE

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- DC supply for professional electronic systems
- Professional use for high standard products
- Input wire not included
- No-load power consumption <0,075W
- Can work 24h/365days

## General Specifications

| | |
|---|---|
| **Type** | Switched Mode Power Supply |
| **Input Plug Type** | socket |
| **Output Connector** | Plug: 2,1/5,5mm 10mm positive inside |
| **Input Connector** | IEC C8 |
| **Cable Length** | 1.2m |
| **Cable Type** | 18AWG*2C |
| **Power Indicator** | Yes |
| **Over Current Protection** | Yes |
| **Short Current Protection** | Yes |
| **Over Current Protection** | Yes |
| **MTBF** | 100 000 hours at maximum load |
| **Medical Approval** | No |

## Electrical Specifications

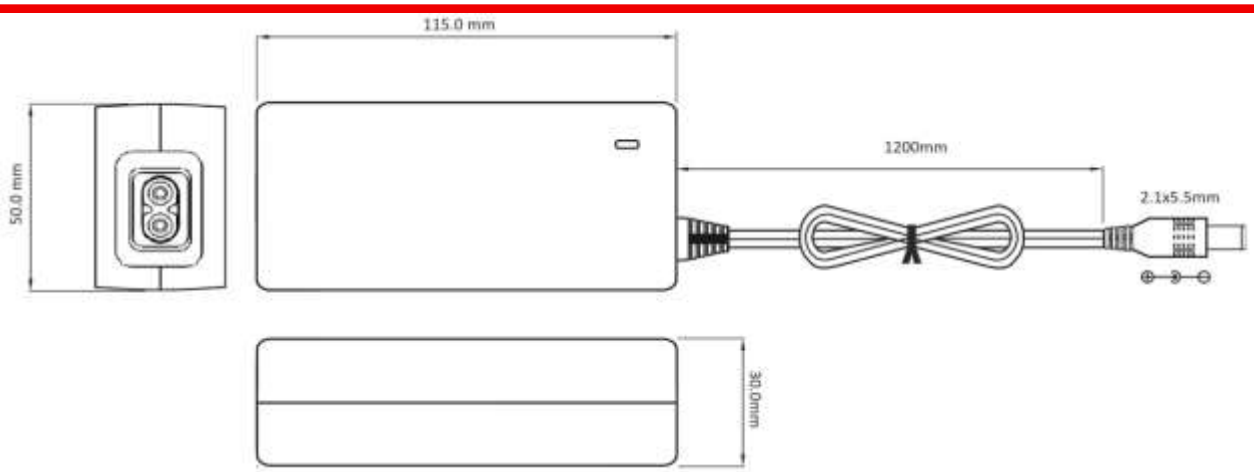
| **Input Specifications** | |
|---|---|
| **Rated Input Voltage** | 230V ac |
| **Full Input Voltage Range** | 90 – 264V ac |
| **Rated Frequency** | 50/60Hz |
| **Full Frequency Range** | 47/63Hz |
| **Efficiency** | 87,03% |
| **Power Factor** | 0.7 |
| **Input Current (RMS Max.)** | <150A |
| **Inrush Current** | No Damage |

| | |
|---|---|
| **Leakage Current (max.)** | <0,35mA / 240V ac |

| **Output Specifications** | | |
|---|---|---|
| **Output Voltage** | 5V dc | |
| **Maximum No load Voltage** | 5,3V dc | |
| **Output Maximum Current** | 4A | |
| **Output Minimum Current** | 0A | |
| **Output Regulation** | +/-5% | |
| **Rated Power** | 20W | |
| **Start Up Delay** | 4sec | |
| **Start Up Rise Time** | 100ms max | |
| **Hold Up Time** | 3ms | |
| **Transient Response** | 4% Deviation | |
| **Number of Outputs** | 1 | |
| **Efficiency** | 87,03% | |
| **Efficiency Level** | VI | |
| **Output Voltage Precision** | 5% | |
| **Ripple & Noise** | 150mV | |
| **Turn On Delay** | 3 Seconds Max. | |
| **Insulation Class** | II | |
| **Isolation Resistance** | 100MΩ @500V dc | |
| **Voltage Isolation** | Input-Output | 3000V ac |
| | Input-Ground | 1500V ac |
| | Output-Ground | 500V ac |

## Mechanical Specifications

| | |
|---|---|
| **Dimension** | 115mm x 50mm x 30mm |
| **Length** | 115mm |
| **Width** | 50mm |
| **Depth** | 30mm |
| **Weight** | 176g |




## Operation Environment Specifications

| | |
|---|---|
| **Operating Humidity** | 5% to 95% RH non-condensing |
| **Cooling** | Natural convection |
| **Operating Temperature Range** | 0 to 60°C |
| **Storage Temperature Range** | -40 to 85°C |
| **Temperature Coefficient** | ± 0.03% / C |
| **Altitude During Operation** | 5000m |
| **Vibration Resistance** | 2g 15 mins/sweep, 60 mins for each of 3 axes |
| **Shock Resistance** | 1m drop onto concrete on each of 6 axes |

## Protection Category

| | |
|---|---|
| **IP Rating** | IP20 |

## Approvals

| | |
|---|---|
| **Compliance/Certifications** | CE |
| **Declarations** | MFR Declaration of Conformity |
| **Medical Approval** | NO |