



## 18 Watt Interchangeable Plug Series PSA18R Wall Plug Adapter Meets EISA and CEC Requirement



### Features

- Class B EMI
- No Load Power Consumption <0.3 Watt
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Class II Double Insulated
- EISA and CEC Compliant
- Short-Circuit Protection
- Interchangeable AC Plugs

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking Equipment

### Safety Approvals

- cUL/UL
- TÜV
- CE
- SAA
- C-Tick
- PSE
- BSMI
- PSB

### Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.01in)
- Height: 33.3mm (1.31in)
- Weight: 170g (6.00oz)

### Output Specifications

| Model       | DC Output Voltage | Load |      | Ripple <sup>(1)</sup> P-P (max.) | Regulation Line & Load | Efficiency Level |
|-------------|-------------------|------|------|----------------------------------|------------------------|------------------|
|             |                   | Min. | Max. |                                  |                        |                  |
| PSA18R-120P | 12V               | 0A   | 1.5  | 120mV                            | ±5%                    |                  |

(1) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz. Interchangeable clips sold separately.

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**Input:****AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 240V AC

**Leakage Current**

0.25mA maximum at all line conditions

**Inrush Current**

&lt;30A for 120V AC at maximum load

&lt;60A for 240V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

&lt;0.3W maximum at no load

**Output:****Efficiency**

&gt;80.3% average efficiency

**Hold-up Time**

10mS minimum at 120V AC and maximum load

**Environmental:****Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity 20 to 90%

**Emissions**

FCC Class B

EN55022 Class B

**Immunity**

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

**Over-Voltage Protection**

&lt;20Vpk, auto restart

**Over-Current Protection**

Short-circuit protection – auto-restart

**Short-Circuit Protection**

Output can be shorted without damage

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min., 10mA

**DC Output Connector**

2.1 x 5.5mm Center positive Standard

**Mating Connector**

Kycon KLD-0202-A or equivalent

**AC Input Clips (sold separately)**

RPA: US

RPI: India

RPB: Brazil

RPK: UK

RPC: China

RPN: Argentina

RPE: Europe

RPS: Australia

RPH: Korea

RPX: IEC320 C8

**Dimension Diagram Unit: mm (inch)**