



## 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
- TUV
- 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 <sup>(1)</sup>	DC Output Voltage	Load		Ripple <sup>(2)</sup> P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSA18R-120P	12V	0A	1.5	120mV	±5%	

(1) Minimum order quantity required.

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

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**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**

<30A for 120V AC at maximum load

<60A for 240V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

<0.3W maximum at no load

**Output:**

**Efficiency**

>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**

<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)**

