



## 18 WATT INTERCHANGEABLE PLUG PSA18R-120P Wall Plug Adapter Meets EISA and CEC Requirements



### Features

- Class B EMI
- No Load Power Consumption < 0.3 Watt
- Energy Star EPS Version 2.0 Compliant
- Interchangeable AC Plugs
- Class II Double Insulated
- EISA and CEC Compliant
- Short-Circuit Protection

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking Equipment

### Safety Approvals

- cUL/UL
- TUV
- CE
- SAA
- C-Tick
- CCC
- PSE
- BSMI
- PSB

### Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.97in)
- Height: 33.3mm (1.31in)
- Weight: 170g (6.00oz)

### Output Specifications

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

Note: (1) Measured after 30 minutes with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 Mhz.

Interchangeable clips sold separately.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**INPUT:**

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Voltage Range**  
90 to 264VAC

**Input Current**  
0.5A(RMS) max. @ 120VAC  
0.25A(RMS) max. @ 240VAC

**Leakage Current**  
0.25mA max. @ all line conditions

**Inrush Current (cold)**  
< 30A for 120VAC at max. load  
< 60A for 240VAC at max. load  
(Cold start @ ambient 25°C)

**Input Power Saving**  
0.3W maximum at no load

**OUTPUT:**

**Efficiency**  
> 80.3% average efficiency

**Hold-up Time**  
10mS min. @ 120VAC and max. load

**Over Current Protection**  
Output equipped with short circuit protection – auto restart

**Over Voltage Protection**  
< 20Vpk, auto restart

**Short Circuit Protection**  
Output can be shorted without damage

**ENVIRONMENTAL:**

**Temperature**  
Operation 0 to +40°C  
Non-operation -25 to +75°C

**Humidity (Relative)**  
Operation and Storage 20 to 90%

**Emissions**  
FCC Class B  
CISPR 22 Class B

**Dielectric Withstand (Hi-pot) Test**  
Primary to Secondary: 3000VAC for 10mA 1min.

**DC Output Connector**  
2.1x5.5mm Center Positive Standard

**Mating Connector**  
Kycon KLD-0202-A or equivalent

**AC Input Clips (sold separately)**  
US: RPA  
Europe: RPE  
UK: RPK  
Australia: RPS

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

