



## 20-WATT INTERCHANGEABLE PLUG SERIES PSC20R CEC Compliant Adapter



**Preliminary**



### Features

- Limited Power Source
- Class B EMI
- CEC Compliant
- Class II Double Insulated
- No-load Power Saving
- High Efficiency

### Applications

- Peripherals
- Gaming Machines
- Point of Sale Equipment
- Network Equipment

### Safety Approvals

- cUL/UL
- TÜV
- SAA
- CE
- C-Tick

### Mechanical Characteristics

- Length: 100mm (3.9in)
- Width: 63mm (2.5in)
- Height: 36mm (1.4in)
- Weight: 260g (9oz)

### Output Specifications

| Model      | DC Output Voltage | Load |       | Ripple (1)<br>P-P (max) | Regulation (2) |      |
|------------|-------------------|------|-------|-------------------------|----------------|------|
|            |                   | Min. | Max.  |                         | Line           | Load |
| PSC20R-120 | 12V               | 0A   | 1.67A | 120mV                   | ±1%            | ±5%  |
| PSC20R-180 | 18V               | 0A   | 1.11A | 180mV                   | ±1%            | ±5%  |
| PSC20R-240 | 24V               | 0A   | 0.83A | 240mV                   | ±1%            | ±5%  |

Note: (1) Measured with by-pass capacitors 0.1uf//10uf at output connector terminal. (2) No load at full load, 1.8 meter (6ft) DC cord, measured at the plug.

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

**AC Input Frequency**  
47 to 63 Hz

**Input Current**  
1A(RMS) max. @ 120VAC  
0.5A(RMS) max. @ 240VAC

**Leakage Current**  
0.25mA Max.

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

**OUTPUT:**

**Efficiency**  
80% min. at max. load (varies in voltage)

**Hold-up Time**  
16mS min. @ 120VAC and max. load

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

**Over Voltage Protection**  
>120% By zener clamping

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

**ENVIRONMENTAL:**

**Temperature**  
Operation 0 to +40°C  
Non-operation -25 to +85°C

**Humidity**  
Operation 20 to 90%

**Emissions**  
FCC Class B  
EN55022 Class B

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

**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)**

