



## 20-WATT INTERCHANGEABLE PLUG SERIES

PSAA20R Adapter Series Meets EISA and ENERGY STAR Requirements



**PRELIMINARY**

### Features

- Efficiency Level V Compliance
- Class B EMI
- Class II Double Insulated
- No-load Power Saving
- High Efficiency
- Compact Size

### Applications

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

### Safety Approvals (Pending)

- cUL/UL
- CE
- SAA
- C-Tick

### Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.97in)
- Height: 33.3mm (1.31in)
- Weight: 170g (6oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation (2)		Efficiency Level
		Min.	Max.		Line	Load	
PSAA20R-120	12V	0A	1.67A	120mV	±5%		V
PSAA20R-240	24V	0A	0.83A	240mV	±5%		V
PSAA20R-480	48V	0A	0.42A	480mV	±5%		V

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

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

**AC Input Frequency**  
47 to 63 Hz

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

**Leakage Current**  
0.25mA max. at 264VAC / 60Hz

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

**Input Power Saving**  
0.3W max. at no load

**OUTPUT:**

**Efficiency**  
≥ 81% average efficiency

**Hold-up Time**  
10mS min. @ 120VAC, 60Hz and max. load

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

**Over Voltage Protection**  
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**  
Operation 20 to 90% relative humidity  
Non-operation 20 to 90% relative humidity

**Emissions**  
FCC Class B  
EN55022 Class B

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

US: RPA  
Europe: RPE  
UK: RPK  
Australia: RPS

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

