



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 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)

