



20 Watt Interchangeable Plug Series PSAA20R Adapter Series Meets EISA and Energy Star Requirements



Features

- Efficiency Level V Compliance
- Class B EMI
- Class II Double Insulated
- Ecodesign ErP Directive 2009/125/EC Level 2 annex 1b Compliant
- No-load Power Saving
- High Efficiency
- Compact Size
- ENERGY STAR EPS Version 2.0 compliant

Applications

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

Safety Approvals

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

Mechanical Characteristics

- Length: 71.6mm (2.82in)
- Width: 50mm (1.97in)
- Height: 31mm (1.22in)
- Weight: 170g (6oz)

Output Specifications

Model	DC Output Voltage	Load		Efficiency Level
		Min.	Max.	
PSAA20R-033 ⁽¹⁾	3.3V	0A	6.67A	V
PSAA20R-050 ⁽¹⁾	5V	0A	4.00A	V
PSAA20R-120	12V	0A	1.67A	V
PSAA20R-240	24V	0A	0.83A	V
PSAA20R-480	48V	0A	0.42A	V

Note (1): The 3.3V and 5V models will be available as of Q4 2010.

Interchangeable Clips Sold Separately

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Input:

AC Input Voltage Rating
100 to 240V AC

AC Input Voltage Range
90V AC 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 264V AC

Inrush Current
40A maximum for 120V AC and maximum load
80A maximum for 240V AC and maximum load
(Cold start at ambient 25°C)

Input Power Saving
0.3W maximum at no load

Output:

Efficiency
Meets requirements for Energy Star EPS Version 2.0 Level V and Ecodesign Directive 2009/125/EC level 2 annex 1b

Ripple
3.3V – 50mV 24V – 240mV
5V – 100mV 48V – 480mV
12V – 120mV

Hold-up Time
10mS minimum at 120V AC and maximum load

Over-Current Protection

Short circuit 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 20 to 90%

Emissions

FCC Class B
EN55022 Class B

Immunity

EN61000-4-2 Level 3
EN61000-4-3 Level 2
EN61000-4-4 Level 2
EN61000-4-5 Level 3
EN61000-4-6 Level 3
EN61000-4-11
EN61000-3-2 Class A
EN61000-3-3

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

DC Cord Length

3.3V Model is 1200mm; all other models are 1500mm

AC Input clips (sold separately)

US:	RPA	Brazil:	RPB
Europe:	RPE	Korea:	RPH
UK:	RPK	Argentina:	RPN
Australia:	RPS	China:	RPC
India:	RPI		

Dimension Diagram Unit: mm (inch)

