20 Watt Interchangeable Plug Series
PSAA20R Adapter Series Meets DOE Level VI



Features

- Efficiency Level VI Compliance
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC Level 2 annex 1b Compliant
- No-load Power Saving
- High Efficiency
- Compact Size
- Class II Double Insulated

Applications

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

Safety Approvals

- UL/cUL 60950-1
- CE
- CB
- SAA+C-TICK+MEPS

Mechanical Characteristics

- Length: 82.7mm (3.26in)
- Width: 55mm (2.17in)
- Height: 39.1mm (1.54in)
- Weight: 180g (6.35oz)

Output Specifications

Model	DC Output Voltage	Load		Regulation		Output Power	Efficiency Level
		Min.	Max.	Line	Load		
PSAA20R-050L6	5V	0A	4.00A	±5%		20W	VI
PSAA20R-120L6	12V	0A	1.67A	±5%		20W	VI
PSAA20R-240L6	24V	0A	0.83A	±5%		20W	VI
PSAA20R-480L6	48V	0A	0.42A	±5%		20W	VI

Interchangeable Clips Sold Separately

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PSAA20R Characteristics

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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
0.8A (RMS) Max. @120VAC & Max. load
0.5A (RMS) Max. @240VAC & Max. load

Leakage Current
0.25mA maximum at 264V AC/60Hz

Inrush Current
60A Max. @100VAC & Max. load
100A Max. @240VAC & Max. load (Cold start at ambient 25°C)

Input Power Saving
<0.1W Max. @230VAC, 50Hz

Output Efficiency
DOE Level VI

Ripple

5V – 80mV	24V – 120mV
12V – 120mV	48V – 120mV

Hold-up Time
10ms Min.@ full load 115VAC/ 60Hz

Over-Current Protection
Short circuit. Auto Restart.

Short-Circuit Protection
Output can be shorted permanently without damage

Environmental: Temperature

Operation	0 to +40°C
Non-operation	-20 to +75°C
Humidity	20 to 90%

Emissions
FCC Class B
EN55022 Class B

Immunity

EN61000-4-2	Level 4
EN61000-4-3	Level 2
EN61000-4-4	Level 2
EN61000-4-5	Level 2
EN61000-4-6	Level 2
EN61000-4-8	Level 1
EN61000-4-11	

Dielectric Withstand (Hi-pot) Test
Primary to Secondary: 3000 Vac or 4242 Vdc , 10 mA 1minute. 3600 Vac or 5090 Vdc , 10 mA 3Second.

DC Output Connector
Female plug, 5.5mm O.D., 2.1mm I.D., 9.5mm length. Center conductor positive

DC Cord Length
1500mm

AC Input clips (sold separately)

RPA:	US	RPI:	India
RPB:	Brazil	RPK:	UK
RPC:	China	RPN:	Argentina
RPE:	Europe	RPS:	Australia
RPH:	Korea	RPX:	IEC320 C8

Dimension Diagram Unit: mm (inch)

