



## 10~20 Watt Interchangeable Plug Series PSAA20R Adapter Series Meets EISA and Ecodesign Requirements



### Features

- Efficiency Level V 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

- 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		Regulation		Output Power	Efficiency Level
		Min.	Max.	Line	Load		
PSAA20R-033	3.3V	0A	3.00A	±5%		9.9W	V
PSAA20R-050	5V	0A	3.00A	±5%		15W	V
PSAA20R-120	12V	0A	1.67A	±5%		20W	V
PSAA20R-240	24V	0A	0.83A	±5%		20W	V
PSAA20R-480	48V	0A	0.42A	±5%		20W	V

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

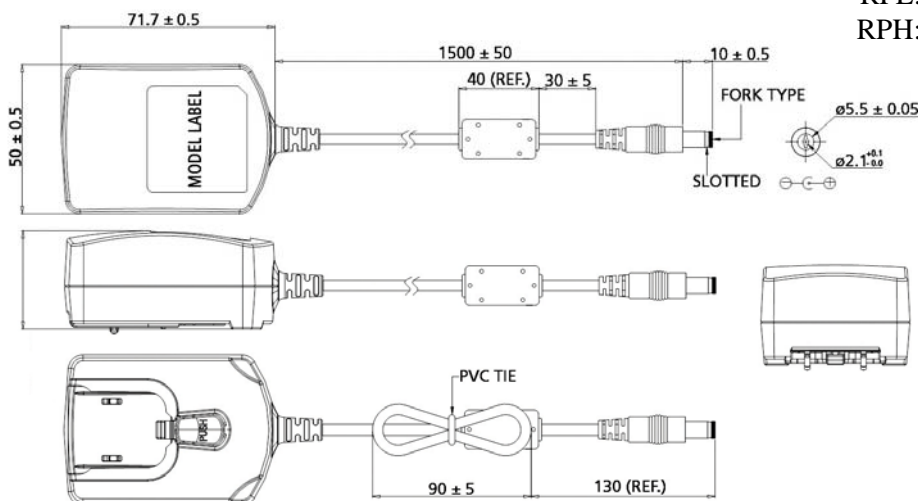
**Output:**

**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

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



**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)**

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