



## 60 Watt Universal 2-Wire Input Adapter PSAA60W Power Supply meets CEC and EISA Requirements



### Features

- Low Cost
- Efficiency Level IV Compliance
- Class B EMI
- Non-vented/Spill-proof Case
- No Load Power Consumption < 0.5W
- Low Profile Design

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- cUL / UL EN60950-1
- CE
- TUV EN60950-1 (except 48V model)
- CB IEC60950-1

### Mechanical Characteristics

- Length: 130mm (5.12in)
- Width: 60mm (2.36in)
- Height: 32mm (1.30in)
- Weight: 300g (10.58oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max.)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSAA60W-120	+12V	0A	5.0A	120mV	±5%		IV
PSAA60W-150	+15V	0A	4.0A	150mV	±5%		IV
PSAA60W-180	+18V	0A	3.3A	180mV	±5%		IV
PSAA60W-240	+24V	0A	2.5A	240mV	±5%		IV
PSAA60W-480	+48V	0A	1.25A	480mV	±5%		IV

(1) Measured by-pass capacitors 0.1uF / 100uF at output connector terminal and oscilloscope set at 20 Mhz.

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**INPUT:**

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Frequency**  
47/63Hz

**Input Current**  
1.6A @ 100VAC  
0.7A @ 240VAC

**Leakage Current**  
0.25mA Max. @ 254VAC 60Hz

**Inrush Current (cold)**  
90A Max. @ 100VAC  
150A Max. @ 240VAC  
(Cold start @ ambient 25°C)

**Input Power Saving**  
< 0.5W at no load

**OUTPUT:**

**Efficiency**  
85% minimum average efficiency

**Hold-up Time**  
>10mS

**Over-voltage Protection**

Circuit will latch; re-start after cycling AC power with 2 minutes unplugged

**Over-current Protection**

Circuit will latch

**Short Circuit Protection**

Auto-reset when short is removed

**ENVIRONMENTAL:**

**Temperature**

Operation 0°C to +40°C  
Non-operation -20°C to +80°C

**Humidity**

Operation 10% to 90%

**Emissions**

FCC Class B  
EN55022 Class B

**Reliability:**

MTBF 50k Hr. @ ambient 25°C / output load 5.0A

**DC Output Connector**

2.1 x 5.5 mm Center Positive

**Dimension Diagram Unit: mm**

