



## 60 Watt Universal 3-Wire Input Adapter PSAA60M Power Supply Meets EISA & Ecodesign Requirements



### Features

- Low Cost
- Efficiency Level V Compliance<sup>(1)</sup>
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant<sup>(1)</sup>
- Non-vented/Spill Proof Case
- No Load Power Consumption < 0.5W
- Low Profile Design
- EISA Compliant

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- CE
- TÜV
- cUL/UL

### 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 <sup>(2)</sup> P-P (max.)	Regulation Line & Load	Efficiency Level <sup>(3)</sup>
		Min.	Max.			
PSAA60M-120	+12V	0A	5.0A	120mV	±5%	IV
PSAA60M-150	+15V	0A	4.0A	150mV	±5%	V
PSAA60M-180	+18V	0A	3.3A	180mV	±5%	V
PSAA60M-240	+24V	0A	2.5A	240mV	±5%	V
PSAA60M-480	+48V	0A	1.25A	480mV	±5%	V

(1) Excludes 12V model which remains Level IV. Products not meeting requirements for Ecodesign Directive may not longer be shipped to the European Union for commercial or consumer purposes.

(2) Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

(3) 15V-48V models may be marked as Level IV despite Level V compliance. If Level V marking is required, please contact Phihong directly to ensure stock is marked accordingly.

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**Input:**

**AC Input Voltage Rating**

100 to 240V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

1.6A at 100V AC

0.7A at 240V AC

**Inrush Current**

90A maximum at 100V AC

150A maximum at 240V AC

(Cold Start at ambient 25°C)

**Leakage Current**

3.5mA maximum at 254V AC and 60Hz

**Input Power Saving**

< 0.5W at no load

**Output:**

**Output Power**

60W maximum

**Efficiency**

Meets Level V efficiency requirements

**Environmental:**

**Temperature**

Operation 0 to +40°C

Non-operation -20 to +80°C

Humidity 10 to 90%

**Emissions**

FCC Part 15 Class B

EN55022 Class B

VCCI Class B

**Immunity**

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-11

EN61000-3-2

**Over-Voltage Protection**

Circuit will latch the auto-restart.

**Over-Current Protection**

Output current over 5.5-7.5A then circuit will latch

**Short-Circuit Protection**

If output shorts then circuit will auto-restart

**Isolation**

Primary to Secondary: 500V DC >100M OHM

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min., 10mA

Primary to F.G.: 1500V AC for 1 min., 10mA

**DC Output Connector**

2.1 x 5.5 x 9.5mm Center Positive Barrel

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

