



## 60 Watt Universal 3-Wire Input Adapter



### Features

- Low Cost
- DOE Level VI Compliant
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC Compliant
- Non-vented/Spill Proof Case
- No Load Power Consumption 150mW max
- Low Profile Design
- Limited Power Source

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- CE
- CB
- cUL/UL

### Mechanical Characteristics

- Length: 130mm (5.12in)
- Width: 60mm (2.36in)
- Height: 32mm (1.30in)
- Weight: 305g (10.76oz)

### Output Specifications

| Model         | DC Output Voltage | Load |       | Ripple <sup>(1)</sup><br>P-P (max.) | Regulation<br>Line & Load |
|---------------|-------------------|------|-------|-------------------------------------|---------------------------|
|               |                   | Min. | Max.  |                                     |                           |
| PSAC60M-120-R | +12V              | 0A   | 5.0A  | 200mV                               | ±5%                       |
| PSAC60M-180-R | +18V              | 0A   | 3.33A | 180mV                               | ±5%                       |
| PSAC60M-240-R | +24V              | 0A   | 2.5A  | 350mV                               | ±5%                       |
| PSAC60M-480-R | +48V              | 0A   | 1.25A | 480mV                               | ±5%                       |
| PSAC60M-560-R | +56V              | 0A   | 1.08A | 560mV                               | ±5%                       |

(1) Measured with a 10uF capacitor and a 0.1uF capacitor at output connector terminal and oscilloscope set at 20MHz.

PhiHong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**Input:****AC Input Voltage Rating**

90VAC ~ 264VAC

**AC Input Frequency**

47 to 63Hz

**Input Current**

1.5A at 120V AC

**Inrush Current**150A maximum at 240V AC  
(Cold Start at ambient 25°C)**Leakage Current**

3.5mA maximum

**Input Power Saving**

150mW max

**Output:****Output Power**

60W maximum

**Efficiency**

DOE Level VI

**Environmental:****Temperature**

Operation 0 to +40°C

Non-operation -20 to +70°C

Humidity 0 to 90%

**Emissions**

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

**Immunity**

IEC61000-4-2 Level 4

IEC61000-4-5 Level 3

**Over-Voltage Protection**

20V max(latch off)

**Over-Current Protection**

8A max(auto-restart)

**Short-Circuit Protection**

If output shorts then circuit will auto-restart

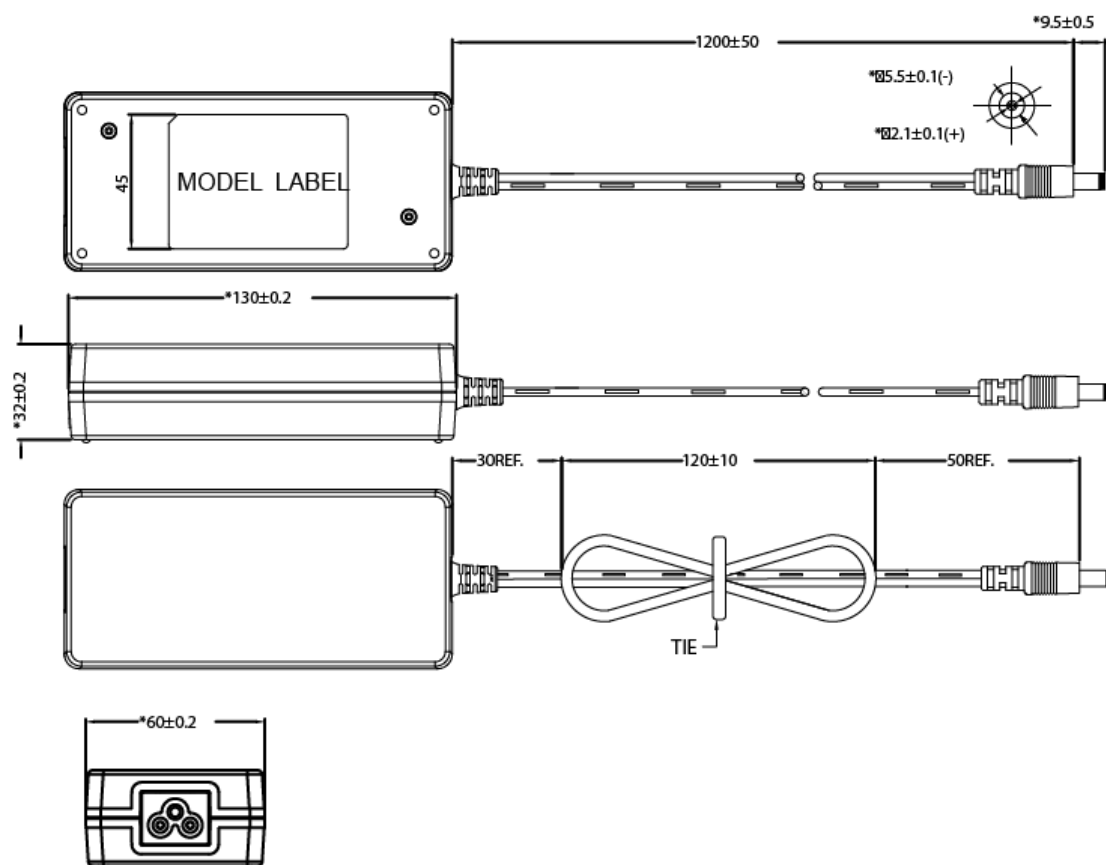
**Isolation**

Primary to Secondary: 500V DC &gt;7M OHM

**Dielectric Withstand (Hi-pot) Test**Primary to Secondary: 3000V AC for 1 min.,  
10mA**DC Output Connector**

2.1 x 5.5 x 9.5mm Center Positive Barrel

### Dimension Diagram Unit:mm



**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.