



## 50 Watt Universal Switching Adapter PSA60W Single Output Series



### Features

- Compact
- Power On LED
- Non-vented/Spill-proof Case
- Double Insulated

### Applications

- Portable Equipment
- Peripherals
- Notebook Computers
- Networking

### Safety Approvals

- cUL/UL
- CE
- TUV
- Meeting Cal. Prop. 65

### Mechanical Characteristics

- Length: 102mm (4.01in)
- Width: 63.5mm (2.5in)
- Height: 32.5mm (1.28in)
- Weight: 400g (14oz.)

### Output Specifications

| Model      | DC Output Voltage | Load |       | Ripple (1)<br>P-P (max.) | Regulation<br>Line & Load |
|------------|-------------------|------|-------|--------------------------|---------------------------|
|            |                   | Min. | Max.  |                          |                           |
| PSA60W-120 | +12V              | 0A   | 4.16A | 120mV                    | ±4%                       |
| PSA60W-150 | +15V              | 0A   | 3.33A | 150mV                    | ±4%                       |
| PSA60W-180 | +18V              | 0A   | 2.77A | 180mV                    | ±4%                       |
| PSA60W-240 | +24V              | 0A   | 2.10A | 240mV                    | ±4%                       |

(1) Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 Mhz.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

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

100 to 240VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Frequency**

47 to 63Hz

**Input Current**

1.5A (rms) max. @ 115VAC

0.8A (rms) max. @ 230VAC

**Leakage Current**

0.25mA max.

**Inrush Current (cold)**

55A for 120VAC at max. load

100A for 240VAC at max. load

(Cold start @ ambient 25°C)

**OUTPUT:**
**Efficiency**

80% typical

**Hold-up Time**

10mS min. @ 120VAC and max. load

**Over Voltage Protection**

>130% over-voltage detection, adapter will be shut down

**Over Current Protection**

Output equipped with short circuit protection – auto restart

**Short Circuit Protection**

Output can be shorted without damage

**Thermal Protection**

115°C internal

**ENVIRONMENTAL:**
**Temperature**

Operation 0 to +33°C

Non-operation -25 to +75°C

**Humidity**

Operation 5 to 80%

**Emissions**

FCC Class B

EN55022 Class B

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

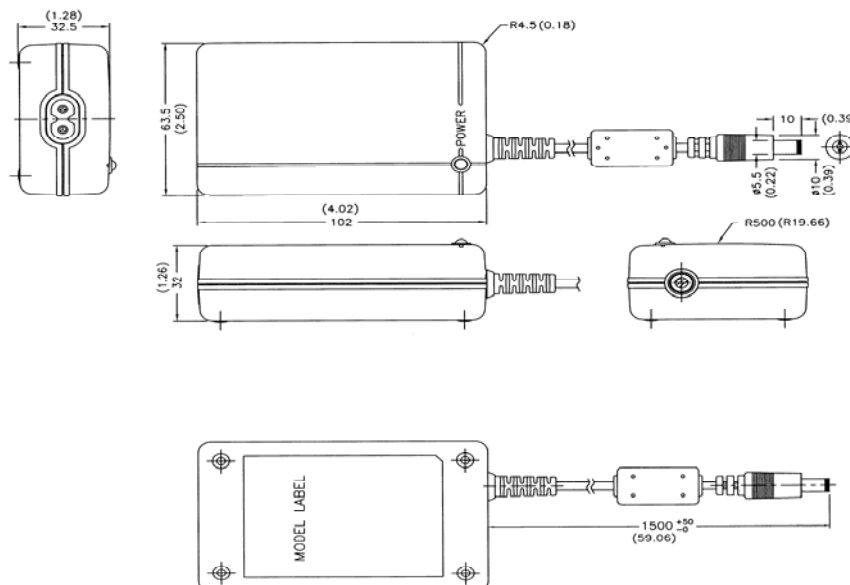
Primary to Secondary: 3000VAC for 1 minute, 10mA

**DC Output Connector**

2.1x5.5mm Center Positive Standard

**Mating Connector**

Kycon KLD-0202-A or equivalent

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


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