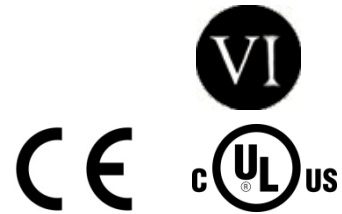




## 36 Watt Universal 2-Wire Input Adapter PSM36W Adapter Series meets Level VI Requirements



### Features

- Low Cost
- Non-Vented/Spill-proof Case
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Low Profile Design
- Level VI Efficiency Compliant

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- CE/EMC
- IEC 60950-1
- cUL/UL 60950-1

### Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 50mm (1.98in)
- Height: 31.5mm (1.27in)
- Weight: 250g (8.82oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max.)	Efficiency Level
		Min.	Max.		
PSM36W-120L6	12V	0A	3A	140mV	VI

(1) Measured with by-pass capacitors 0.1uf/10uf 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**

120-240V AC

**AC Input Voltage Range**

90-264V AC

**AC Input Frequency**

47-63Hz

**Input Current**

1.2A (RMS) max @120VAC

0.8A (RMS) max @120VAC

**Leakage Current**

250uA maximum

**Inrush Current**

60A max. @120V AC and max load

(Ambient 25°C cold start)

**Output:**

**Efficiency**

DoE Level VI

**Environmental:**

**Temperature**

Operation 0 to 45°C

Non-operation -40 to 80°C

Operating Humidity 15 to 90%

**EMI**

FCC Class B

EN55022 Class B

**Immunity**

EN 61000-4-2, 8KV contact, 15kV air

EN 61000-4-5, 6KV L-N

EN 61000-4-3, Criteria A

EN 61000-4-6, Criteria A

EN 61000-4-11, Criteria B

**Over Current Protection**

<5A auto restart mode

**Over-Voltage Protection**

Auto-restart

**Short-Circuit Protection**

Output can be shorted permanently without damage

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

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

**Insulation Resistance**

Primary to secondary: >7M ohm 500V DC

**MTBF**

100,000 Hours Minimum at 25°C

**AC Input Connector**

IEC320 C8

**DC Output Connector**

Center positive barrel (11.2mm x 5.5mm x 2.1mm)

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

