



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 ¹ 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 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)

