



36 Watt Universal 2-Wire Input Adapter PSM36W Adapter Series Meets CEC and EISA Requirements



Features

- Low Cost
- EISA Energy Efficiency Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Non-Vented/Spill-proof Case
- Low Profile Design
- Class B EMI
- Level V Efficiency Compliant

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- CE
- cUL/UL

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 P-P (max.)	Efficiency Level
		Min.	Max.		
PSM36W-120TW2-R	12V	0A	3A	140mV	V

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Input:

AC Input Voltage Rating

120-240V AC

AC Input Voltage Range

89-270V AC

AC Input Frequency

47-63Hz

Input Current

0.8A (RMS) Maximum at 120V AC

Leakage Current

250uA maximum

Inrush Current

60A max. at 120V AC and max load
(Ambient 25°C cold start)

Input Power Saving

0.3W maximum at 230V AC and no load

Output:

Efficiency

Meets Level V Efficiency Requirements
85% minimum

Environmental:

Temperature

Operation	0 to 45°C
Non-operation	-40 to 80°C
Operating Humidity	15 to 90%

EMC

FCC Class B
EN55022 Class B

Immunity

IEC61000-4-2
IEC61000-4-3
IEC61000-4-4
IEC61000-4-5
IEC61000-4-6
IEC61000-4-8
IEC61000-4-11
EN61000-3-2

Over-Voltage Protection

Auto-restart

Short-Circuit Protection

Protected against short circuit – Output can be shorted permanently without damage

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 2000V AC, 10mA for 1 minute

Insulation Resistance

Primary to secondary: >7M ohm 500V DC

MTBF

100,000 Hours Minimum at 25°C

DC Output Connector

Center Positive Barrel (11.2mm x 5.5mm x 2.1mm)

DC Cord

1000mm ± 50

Dimension Diagram Unit: mm (inch)

