



## 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

**Over-Voltage Protection**  
Auto-restart

**Short-Circuit Protection**  
Protected against short circuit – Output can be shorted permanently without damage

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

**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)**

