



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



### Features

- Low Cost
- EISA Energy Efficiency Compliance
- Class B EMI
- Non-Vented/Spill-proof Case
- Low Profile Design

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- CE
- ENERGY STAR
- 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	ⓧ

**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 CEC Standard Level V and EPA 2.0  
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**

1000 meters ±

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

