



## 45 Watt Universal 2-Wire Input Adapter



### Features

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

### Applications

- Portable Equipment
- Notebook Computers
- Networking
- Gaming Machines

### Safety Approvals

- CE
- CB
- cUL/UL

### Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 50mm (1.97in)
- Height: 31.5mm (1.24in)
- Weight: 250g (8.82oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)
		Min.	Max.	
PSAC45W-120	12V	0A	3.750A	150mV
PSAC45W-180	18V	0A	2.500A	180mV
PSAC45W-240	24V	0A	1.875A	240mV
PSAC45W-480	48V	0A	0.938A	480mV
PSAC45W-560	56V	0A	0.804A	560mV

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**Input:**

**AC Input Voltage Rating**  
100~240VAC

**AC Input Voltage Range**  
90~264VAC

**AC Input Frequency**  
47~63Hz

**Input Current**  
1.2A (RMS) Max at 120VAC

**Leakage Current**  
250uA maximum

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

**Input Power Saving**  
0.1W maximum at nominal input

**Output:**

**Efficiency**  
DOE Level VI  
87.7% minimum

**Environmental:**

**Temperature**  
Operation 0 to 40°C  
Non-operation -20 to 70°C  
Operating Humidity 5 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

**Over-Current 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: 3000V AC, 10mA  
for 1 minute

**Insulation Resistance**

Primary to secondary: >7M ohm 500V DC

**DC Output Connector**

Center Positive Barrel (10mm x 5.5mm x  
2.1mm)

**DC Cord**

1500mm ± 50

Dimension Diagram Unit: mm (inch)

