



## 30 Watt Universal 3-Wire Input Adapter PSC30U-V Adapter Series Meets Level V Efficiency Requirements



### Features

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

### Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

### Safety Approvals

- cUL/UL
- TUV
- CE
- SAA
- C-Tick

### Mechanical Characteristics

- Length: 11.6mm (4.59in)
- Width: 55mm (2.17in)
- Height: 31.5mm (1.24in)
- Weight: 250g (8.82oz.)

### Output Specifications

| Model       | DC Output Voltage | Load |        | Efficiency Level |
|-------------|-------------------|------|--------|------------------|
|             |                   | Min. | Max.   |                  |
| PSC30U-120V | +12V              | 0A   | 2.5A   | V                |
| PSC30U-240V | +24V              | 0A   | 1.25A  | V                |
| PSC30U-480V | +48V              | 0A   | 0.625A | V                |

(1) Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

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**Input:**

**AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.8A (RMS) maximum at 120V AC

0.5A (RMS) maximum at 240V AC

**Leakage Current**

3.5mA maximum

**Inrush Current**

30A for 115V AC at maximum load

60A for 230V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

0.3W maximum at no load

**Output:**

**Efficiency**

>83.5% average efficiency

**Ripple P-P (Max.)**

12V 120mV

24V 240mV

48V 480mV

**Regulation Line & Load**

±5%

**Over-Voltage Protection**

Zener Clamping, Adapter will be shut down

**Over-Current Protection**

Output equipped with short circuit protection – auto restart

**Short-Circuit Protection**

Output can be shorted without damage

**Environmental:**

**Temperature**

Operation

0 to +40°C

Non-operation

-30 to +85°C

**Immunity**

EN61000-4-4

level 2 (EFT)

EN6100-4-2

level 4 (ESD)

EN61000-4-5

level 3 (Surge)

**Emissions**

FCC Class B

EN55022 Class B

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min.,  
10mA

**DC Output Connector**

2.1 x 5.5 x 10mm Center Positive Standard

**DC Cord Length**

1500mm (59.1in)

**Dimension Diagram Unit: mm**

