



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

