



20-30 Watt Universal 3-Wire Input Adapter PSC30U 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

- cUL/UL
- CE
- C-Tick
- TUV
- SAA
- Meeting Cal. Prop. 65

Mechanical Characteristics

- Length: 98.5mm (3.88in)
- Width: 55mm (2.17in)
- Height: 31.5mm (1.24in)
- Weight: 243g (8.57oz.)

Output Specifications

Model	DC Output Voltage	Load		Efficiency Level*
		Min.	Max.	
PSC30U-050	+5V	0A	4.0A	IV
PSC30U-120	+12V	0A	2.5A	IV
PSC30U-240	+24V	0A	1.25A	IV
PSC30U-480	+48V	0A	0.625A	IV

* See efficiency specification below for more detailed information

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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 115V AC

0.5A (RMS) maximum at 240V AC

Leakage Current

3.5mA maximum

Inrush Current

60A for 240V AC at maximum load
(Cold start at ambient 25°C)

Input Power Saving

0.5W maximum at no load at 115V AC

Output:

Power

20W for 5V

30W for 12V, 24V, 48V

Ripple

5V 50mV

12V 120mV

24V 240mV

48V 480mV

(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.)

Regulation Line & Load

±5%

Efficiency

Level IV Compliant for all products manufactured after February 2010.

Products manufactured prior to February 2010 are Level IV @115Vac, Level III @230Vac

Hold-up Time

16mS minimum at 120V AC and maximum load

Over-Voltage Protection

By 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

Relative Humidity 20 to 90%

Emissions

FCC Class B

EN55022 Class B

Insulation

Input to Output: DC 500V 7M ohm

Dielectric Withstand (Hi-pot) Test

Input to Output: 1500V AC for 1 min., 10mA

MTBF

50K hours minimum at full load and 25°C

DC Output Connector

2.1 x 5.5 x 10mm Center Positive Standard

DC Cord Length

12V, 24V & 48V Models – 1850mm (72.8in)

5V model – 1500mm (59.1in)

Dimension Diagram Unit: mm

