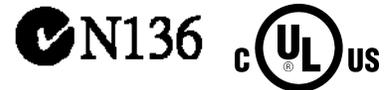




20-30 Watt Universal 3-Wire Input Adapter PSC30U Adapter Series Meets CEC and EISA Requirements



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
- Meeting Cal. Prop. 65
- C-Tick
- SAA

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 ⁽¹⁾
		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

(1) Level IV efficient products do not qualify for CE marking and therefore cannot be sold to countries in the EU

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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 level V compliance see model PSC30U-V

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

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

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

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

