



PSC-30U



30W WORLDWIDE ADAPTER

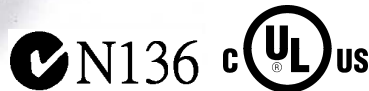
Dimensions

Length: 98.5 mm (3.88 in)
Width: 55 mm (2.17 in)
Height: 31.4 mm (1.24 in)
Weight: 250g (8.82oz.)

| MODEL | DC OUTPUT VOLTAGE | LOAD | |
|------------|----------------------|------|--------|
| | | Min. | Max. |
| PSC30U-050 | +5V | 0A | 4.0A |
| PSC30U-120 | +12V | 0A | 2.5A |
| PSC30U-240 | +24V | 0A | 1.25A |
| PSC30U-480 | +48V | 0A | 0.625A |



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



Features

- Low Cost
- EISA Energy Efficient Compliance
- Class B EMI
- Non-vented/Spill-proof Case
- Low Profile Design

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- cUL/UL 60950-1
- CE
- C-Tick
- TUV EN60950-1
- SAA
- Meeting Cal. Prop. 65

Mechanical Characteristics

- Length: 105mm (4.13in)
- Width: 59mm (2.32in)
- Height: 31.5mm (1.24in)
- Weight: 250g (8.82oz.)

Output Specifications

| Model | DC Output Voltage | Load | | Ripple (1) P-P (max.) | Regulation | | Efficiency Level |
|------------|-------------------|------|--------|--------------------------|------------|------|------------------|
| | | Min. | Max. | | Line | Load | |
| PSC30U-050 | +5V | 0A | 4.0A | 50mV | ±5% | | IV 115V |
| PSC30U-120 | +12V | 0A | 2.5A | 120mV | ±5% | | IV 115VAC III |
| PSC30U-240 | +24V | 0A | 1.25A | 240mV | ±5% | | IV 115VAC III |
| PSC30U-480 | +48V | 0A | 0.625A | 240mV | ±5% | | IV 115VAC III |

(1) Measured with using 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

PSC30U Characteristics

INPUT:

AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

0.8A (rms) max. @ 115VAC

0.4A (rms) max. @ 230VAC

Leakage Current

3.5mA Max.

Inrush Current (cold)

30A for 115VAC at max. load

60A for 230VAC at max. load

(Cold start @ ambient 25°C)

Input Power Saving

0.5W maximum at no load

OUTPUT:

Efficiency

> 80.6% average efficiency

Hold-up Time

10mS Min. @ 120VAC and Max. load

Over-voltage Protection

Output shuts down and recovers after reset AC power

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

Humidity

Operation 5 to 90%

Emissions

FCC Class B

EN55022 Class B

Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 1500VAC for 1 minute, 10mA

DC Output Connector

2.1x5.5mm Center Positive Standard

Dimension Diagram Unit: mm

