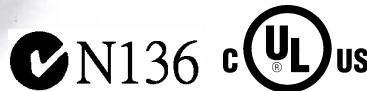




## 20-30 Watt Universal 3-Wire Input Adapter PSC30U Adapter Series Meets CEC and EISA Requirements



### 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: 98.5mm (3.88in)
- Width: 55mm (2.17in)
- Height: 31.4mm (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.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**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**

