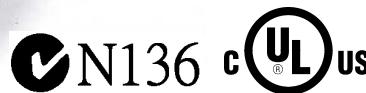




## 20-30 Watt Universal 3-Wire Input Adapter PSC30U Adapter Series Meets CEC and EISA Requirements



### 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%	±5%	IV 115V
PSC30U-120	+12V	0A	2.5A	120mV	±5%	±5%	IV 115VAC III
PSC30U-240	+24V	0A	1.25A	240mV	±5%	±5%	IV 115VAC III
PSC30U-480	+48V	0A	0.625A	480mV	±5%	±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.

## PSC30U Characteristics

WWW.PHIHONG.COM

### 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 at 115VAC

### OUTPUT:

#### Efficiency

> 80.6% average efficiency (except 5V) at 115VAC  
> 77.0% average efficiency (5V) at 115VAC

### 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%
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#### 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

