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 for the most up-to-date specifications.

PSC30U Characteristics

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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

