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30 Watt Universal 3-Wire Input Adapter

PSC30U-V Adapter Series Meets EISA and ENERGY STAR Requirements



Features	
 Low Cost EISA Energy Efficient Compliance ENERGY STAR EPS2.0 Compliance Applications	 Non-vented/Spill-proof Case Low Profile Design Class B EMI
 Portable Equipment Peripherals Safety Approvals 	NetworkingGaming Machines
 cUL/UL 60950-1 TUV 60950-1 CE 	SAAC-Tick
Mechanical Characteristics	
 Length: 116.5mm (4.59in) Width: 55mm (2.17in) Output Specifications 	 Height: 31.5mm (1.24in) Weight: 250g (8.82oz.)

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

(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 <u>www.phihong.com</u> for the most up-to-date specifications.

PSC30U-V 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 0.3W maximum at no load

OUTPUT:

Efficiency > 83.5% average efficiency

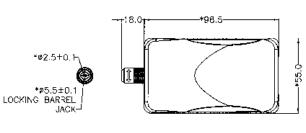
Hold-up Time

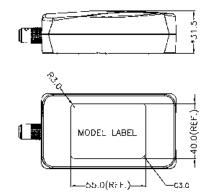
10mS Min. @ 120VAC and Max. load

Over-voltage Protection

Output shuts down and recovers after reset AC power

Dimension Diagram Unit: mm





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Over-current Protection

Output equipped with short circuit protection – auto restart

Short Circuit Protection Output can be shorted without damage

ENVIRONMENTAL:

Temperature Operation Non-operation

0 to +40°C -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

