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30 Watt Universal 3-Wire Input Adapter PSC30U-V Adapter Series Meets Level V Efficiency Requirements

Features				
 Non-Vented/Spill-Proof Case EISA Compliant Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant 	 Class B EMI Low Profile Design Level V Efficiency Compliant 			
Applications				
 Portable Equipment Peripherals	NetworkingGaming Machines			
Safety Approvals				
 cUL/UL TUV CE 	SAAC-Tick			
Mechanical Characteristics				
 Length: 11.6mm (4.59in) Width: 55mm (2.17in) Output Specifications	 Height: 31.5mm (1.24in) Weight: 250g (8.82oz.) 			

Model	DC Output Voltage	Load		Efficiency
		Min.	Max.	Level
PSC30U-120V	+12V	0A	2.5A	V
PSC30U-240V	+24V	0A	1.25A	V
PSC30U-480V	+48V	0A	0.625A	V

(1) Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

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PSC30U-V Characteristics

Input: AC Input Voltage Rating 100 to 240V AC

AC Input Voltage Range 90 to 264V AC

AC Input Frequency 47 to 63Hz

Input Current 0.8A (RMS) maximum at 120V AC 0.5A (RMS) maximum at 240V AC

Leakage Current

3.5mA maximum

Inrush Current

30A for 115V AC at maximum load 60A for 230V AC at maximum load (Cold start at ambient 25°C)

Input Power Saving

0.3W maximum at no load

Output:

Efficiency >83.5% average efficiency

Ripple P-P (Max.)

12V 120mV 24V 240mV 48V 480mV

Regulation Line & Load ±5%

Over-Voltage Protection

Zener Clamping, Adapter will be shut down

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

Immunity

EN61000-4-4 EN6100-4-2 EN61000-4-5 level 2 (EFT) level 4 (ESD) level 3 (Surge)

Emissions

FCC Class B EN55022 Class B

Dielectric Withstand (Hi-pot) Test

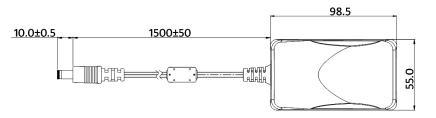
Primary to Secondary: 3000V AC for 1 min., 10mA

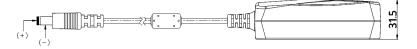
DC Output Connector

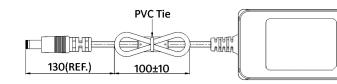
2.1 x 5.5 x 10mm Center Positive Standard

DC Cord Length 1500mm (59.1in)

Dimension Diagram Unit: mm







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