



20-30W Universal 3-Wire Input Desktop Adapter PSAC30U Adapter Meets Ecodesign and EISA Requirements



Features

- Low Cost
- EISA Energy Efficiency Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b compliant
- Non-Vented Case
- Class B EMI
- Low Profile Design
- Compact Size

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- CE
- Meeting Cal. Prop. 65
- cUL/UL

Mechanical Characteristics

- Length: 103.4mm (4.07in.)
- Width: 42mm (1.65in.)
- Height: 28.7mm (1.13in.)
- Weight: 160g (5.64oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple*	Output Power	Efficiency Level
		Min.	Max.			
PSAC30U-050	5V	0A	4.00A	70mV	20W	ⓧ
PSAC30U-120	12V	0A	2.50A	120mV	30W	ⓧ
PSAC30U-240	24V	0A	1.25A	240mV	30W	ⓧ
PSAC30U-560	56V	0A	0.54A	560mV	30W	ⓧ

Note (*): Measured with by-pass capacitors 0.1uF//10uf at output connector terminal and oscilloscope set at 20MHz.

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INPUT:

AC Input Voltage Rating
100 to 240VAC

AC Input Voltage Range
90 to 264VAC

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

In-rush Current
60A maximum at 100VAC
100A maximum at 240VAC

AC Input Frequency
47 to 63Hz

Leakage Current
3.5mA maximum at 254VAC, 50Hz

Input Power Saving
<0.3W maximum

OUTPUT
Output Power
30W

Efficiency
Meets level V Efficiency Marking
78.6% min. at 5V, 83.5% min at 12V, 24V and 56V

ENVIRONMENTAL:

Operating Temperature 0 to 40°C
Storage Temperature -20 to 75°C

Operating Humidity 20 to 90%

EMI

FCC Class B
EN55022 Class B

Immunity

EN61000-4-2	Level 4
EN61000-4-3	Level 2
EN61000-4-4	Level 2
EN61000-4-5	Level 3
EN61000-4-6	Level 2
EN61000-4-8	Level 1
EN61000-4-11	

High-pot Test

Input to output: 3000VAC, 10mA for 1 minute
Input to F.G.: 1500VAC, 10mA for 1 minute

Insulation Resistance

Input to Output: >7M ohm 500VDC
Input to F.G.: >7M ohm 500VDC

Over Current Protection

Auto restart without damage

Over Voltage Protection

160% maximum

Short Circuit Protection

Output can be shorted permanently without damage

MTBF

50K hours min at full load and 25°C ambient

AC Input Connector

IEC C14

DC Output Connector

5.5 x 2.1 x 10mm Center Positive Barrel

Dimension Diagram Unit: mm (inch)

