



20-30W Universal 3-Wire Input Desktop Adapter PSAC30U Adapter Meets Level VI Efficiency



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
- cUL/UL
- TUV

Mechanical Characteristics

- Length: 103.4mm (4.07in.)
- Width: 42mm (1.65in.)
- Height: 28.7mm (1.13in.)
- Weight: 140g (4.94oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple*	Output Power	Efficiency Level
		Min.	Max.			
PSAC30U-050L6	5V	0A	4.00A	70mV	20W	VI
PSAC30U-090L6	9V	0A	3.00A	90mV	30W	VI
PSAC30U-120L6	12V	0A	2.50A	120mV	30W	VI
PSAC30U-240L6	24V	0A	1.25A	240mV	30W	VI
PSAC30U-480L6	48V	0A	0.625A	480mV	30W	VI
PSAC30U-560L6	56V	0A	0.54A	560mV	30W	VI

Note (*): Measured with by-pass capacitors 0.1uF//10uf at output connector terminal and oscilloscope set at 20MHz. Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information

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 & max load

100A maximum at 240VAC & max load

AC Input Frequency

47 to 63Hz

Leakage Current

3.5mA maximum at 254VAC, 50Hz

Input Power Saving

<0.1W max @0A 23Vac 50Hz

OUTPUT-Output Power

27W

Efficiency

DOE Level VI

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 mode without damage

Over Voltage Protection

15V max. The output should be auto restart during the OVP condition

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

DC Cord Length

5V Model is 1000mm; all other models are 1500mm

Dimension Diagram Unit: mm (inch)