



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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)

