



60 Watt Universal 3-Wire Input Adapter PSAC60M Power Adapter Meets Level V Efficiency Requirements



Features

- Low Cost
- Efficiency Level V Compliance
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC Compliant
- Non-vented/Spill Proof Case
- No Load Power Consumption < 0.5W
- Low Profile Design
- EISA Compliant

Applications

- Portable Equipment
- Peripherals
- Networking
- Gaming Machines

Safety Approvals

- CE
- cUL/UL

Mechanical Characteristics

- Length: 130mm (5.12in)
- Width: 60mm (2.36in)
- Height: 32mm (1.30in)
- Weight: 305g (10.76oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSAC60M-120	+12V	0A	5.0A	200mV	±5%	V
PSAC60M-180	+18V	0A	3.33A	180mV	±5%	V
PSAC60M-240	+24V	0A	2.5A	350mV	±5%	V
PSAC60M-480	+48V	0A	1.25A	480mV	±5%	V
PSAC60M-560	+56V	0A	1.08A	560mV	±5%	V

(1) Measured with a 10uF capacitor and a 0.1uF capacitor at output connector terminal and oscilloscope set at 20MHz.

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PSAC60M Characteristics

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Input:

AC Input Voltage Rating

100 to 240V AC

AC Input Frequency

47 to 63Hz

Input Current

1.5A at 120V AC

0.7A at 240V AC

Inrush Current

90A maximum at 100V AC

150A maximum at 240V AC

(Cold Start at ambient 25°C)

Leakage Current

3.5mA maximum at 254V AC and 60Hz

Input Power Saving

< 0.5W at no load

Output:

Output Power

60W maximum

Efficiency

Meets requirements for Level V marking

Environmental:

Temperature

Operation

0 to +40°C

Non-operation

-20 to +70°C

Humidity

5 to 90%

Emissions

FCC Part 15 Class B

EN55022 Class B

Immunity

IEC61000-4-2

Level 4

IEC61000-4-5

Level 3

Over-Voltage Protection

Circuit will latch the auto-restart.

Over-Current Protection

Circuit will latch

Short-Circuit Protection

If output shorts then circuit will auto-restart

Isolation

Primary to Secondary: 500V DC >7M OHM

Dielectric Withstand (Hi-pot) Test

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

Dimension Diagram Unit: mm

DC Output Connector

2.1 x 5.5 x 9.5mm Center Positive Barrel

