



60 Watt Universal 3-Wire Input Adapter PSAA60M Power Supply Meets EISA & Ecodesign Requirements



Features

- Low Cost
- Efficiency Level V Compliance⁽¹⁾
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant⁽¹⁾
- 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
- TUV
- cUL/UL

Mechanical Characteristics

- Length: 130mm (5.12in)
- Width: 60mm (2.36in)
- Height: 32mm (1.30in)
- Weight: 300g (10.58oz)

Output Specifications

| Model | DC Output Voltage | Load | | Ripple ⁽²⁾ P-P (max.) | Regulation Line & Load | Efficiency Level |
|-------------|-------------------|------|-------|-------------------------------------|---------------------------|---------------------|
| | | Min. | Max. | | | |
| PSAA60M-120 | +12V | 0A | 5.0A | 120mV | ±5% | IV |
| PSAA60M-150 | +15V | 0A | 4.0A | 150mV | ±5% | V |
| PSAA60M-180 | +18V | 0A | 3.3A | 180mV | ±5% | V |
| PSAA60M-240 | +24V | 0A | 2.5A | 240mV | ±5% | V |
| PSAA60M-480 | +48V | 0A | 1.25A | 480mV | ±5% | V |

(1) Excludes 12V model which remains Level IV. Products not meeting requirements for Ecodesign Directive may not longer be shipped to the European Union for commercial or consumer purposes.

(2) 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.

Input:

AC Input Voltage Rating

100 to 240V AC

AC Input Frequency

50 to 60Hz

Input Current

1.6A at 100V 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 Level V efficiency requirements

Environmental:

Temperature

Operation 0 to +40°C

Non-operation -20 to +80°C

Humidity 10 to 90%

Emissions

FCC Part 15 Class B

EN55022 Class B

VCCI Class B

Immunity

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-11

EN61000-3-2

Over-Voltage Protection

Circuit will latch the auto-restart.

Over-Current Protection

Output current over 5.5-7.5A then circuit will latch

Short-Circuit Protection

If output shorts then circuit will auto-restart

Isolation

Primary to Secondary: 500V DC >100M OHM

Dielectric Withstand (Hi-pot) Test

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

Primary to F.G.: 1500V AC for 1 min., 10mA

DC Output Connector

2.1 x 5.5 x 9.5mm Center Positive Barrel

Dimension Diagram Unit: mm (inch)

