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.

PSAA60M Characteristics

WWW.PHIHONG.COM

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)