



15 Watt Wall Plug Series PSA15A Adapter Meets CEC and EISA Requirements



Features

- Limited Power Source
- Class B EMI
- EISA Compliant
- Class II Double Insulated
- High Efficiency

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

Safety Approvals

- cUL/UL

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.97in)
- Height: 33.2mm (1.31in)
- Weight: 145g (5.12oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSA15A-050P ⁽²⁾	5V	0A	3.0A	50mV	±5%	IV
PSA15A-060P ⁽²⁾	6V	0A	2.5A	60mV	±5%	IV
PSA15A-075P ⁽²⁾	7.5V	0A	2.14A	75mV	±5%	IV
PSA15A-090P ⁽²⁾	9V	0A	1.66A	90mV	±5%	IV
PSA15A-120P ⁽²⁾	12V	0A	1.25A	120mV	±5%	IV
PSA15A-150P ⁽²⁾	15V	0A	1.0A	150mV	±5%	IV
PSA15A-240P ⁽²⁾	24V	0A	0.62A	240mV	±5%	IV
PSA15A-480P ⁽²⁾	48V	0A	0.31A	480mV	±5%	IV

(1) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz.

(2) Special order item. Minimum order quantity required. Please consult Phihong USA Sales.

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Input:**AC Input Voltage Rating**

100 to 240V AC

AC Input Voltage Range

90 to 264V AC

AC Input Frequency

47 to 63Hz

Input Current

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 240V AC

Leakage Current

0.25mA maximum at all line conditions

Inrush Current

<30A for 120V AC at maximum load

<60A for 240V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

0.5W maximum at no load

Output:**Efficiency**

70% average efficiency (5V Model)

75% average efficiency (6 and 9V Models)

80% average efficiency (12, 15, and 24V Models)

85% average efficiency (48V Model)

Environmental:**Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity

20 to 90%

Emissions

FCC Class B

EN55022 Class B

Immunity

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

Hold-up Time

10mS minimum at 120V AC and maximum load

Over-Voltage Protection

Zener clamping if voltage exceeds 120% of limit

Over-Current Protection

Output equipped with short circuit protection – auto-restart

Short-Circuit Protection

Output can be shorted without damage

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 5.5mm Center Positive Barrel

Dimension Diagram Unit: mm (inch)