



## 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 <sup>(1)</sup> P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSA15A-050P <sup>(2)</sup>	5V	0A	3.0A	50mV	±5%	IV
PSA15A-060P <sup>(2)</sup>	6V	0A	2.5A	60mV	±5%	IV
PSA15A-075P <sup>(2)</sup>	7.5V	0A	2.14A	75mV	±5%	IV
PSA15A-090P <sup>(2)</sup>	9V	0A	1.66A	90mV	±5%	IV
PSA15A-120P <sup>(2)</sup>	12V	0A	1.25A	120mV	±5%	IV
PSA15A-150P <sup>(2)</sup>	15V	0A	1.0A	150mV	±5%	IV
PSA15A-240P <sup>(2)</sup>	24V	0A	0.62A	240mV	±5%	IV
PSA15A-480P <sup>(2)</sup>	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)**

