



## 24 WATT - TWO WIRE UNIVERSAL INPUT PSA24A-120(P) Adapter Meets EISA and CEC Requirements



### Features

- Class B EMI
- No Load Power Consumption < 0.3 Watt
- Energy Star EPS Version 2.0 Compliant
- Class II Double Insulated
- EISA and CEC Compliant
- Short-Circuit Protection

### Applications

- Portable Equipment
- Peripherals
- Access Devices

### Safety Approvals

- cUL/UL
- PSE
- BSMI

### Mechanical Characteristics

- Length: 83.5mm (3.29in)
- Width: 35.0mm (1.38in)
- Height: 73.5mm (2.89in)
- Weight: 165g (5.82oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSA24A-120(P)	12V	0A	2.0A	150mV	±5%		

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

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**INPUT:**

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Voltage Range**  
90 to 264VAC

**Input Current**  
0.6A(RMS) max. @ 100VAC, max. load

**Leakage Current**  
0.25mA max.

**Inrush Current (cold)**  
< 85A for 230VAC at max. load  
(Cold start @ ambient 25°C)

**Input Power Saving**  
0.3W maximum at no load

**OUTPUT:**

**Efficiency**  
> 82% average efficiency

**Hold-up Time**  
8mS min. @ 120VAC and max. load

**Over Current Protection**  
5.0A max @ 230VAC

**Over Voltage Protection**

Output voltage shall not exceed 20V

**Short Circuit Protection**

Output can be shorted without damage

**ENVIRONMENTAL:**

**Temperature**

Operation 0 to +40°C  
Non-operation -40 to +85°C

**Humidity (Relative)**

Operation and Storage 20 to 90%

**Emissions**

FCC Class B  
CISPR 22 Class B

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000VAC for 10mA 1min.

**DC Output Connector**

2.1x5.5mm Center Positive Standard

**Mating Connector**

Kycon KLD-0202-A or equivalent

**Dimension Diagram Unit: mm**

