



## 45 Watt Universal 2-Wire Input Adapter



### Features

- Low Cost
- EISA Energy Efficiency Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Level VI Efficiency Compliant
- Non-Vented/Spill-proof Case
- Low Profile Design
- Class B EMI

### Applications

- Portable Equipment
- Notebook Computers
- Networking
- Gaming Machines

### Safety Approvals

- CE
- CB
- cUL/UL

### Mechanical Characteristics

- Length: 120mm (4.72in)
- Width: 50mm (1.97in)
- Height: 31.5mm (1.24in)
- Weight: 250g (8.82oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)
		Min.	Max.	
PSAC45W-120-R	12V	0A	3.750A	150mV
PSAC45W-180-R	18V	0A	2.500A	180mV
PSAC45W-240-R	24V	0A	1.875A	240mV
PSAC45W-480-R	48V	0A	0.938A	480mV
PSAC45W-560-R	56V	0A	0.804A	560mV

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**Input:**

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

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

**AC Input Frequency**  
47~63Hz

**Input Current**  
1.2A (RMS) Max at 120VAC

**Leakage Current**  
250uA maximum

**Inrush Current**  
120A max. at 120V AC and max load  
(Ambient 25°C cold start)

**Input Power Saving**  
0.1W maximum at nominal input

**Output:**

**Efficiency**  
DOE Level VI  
87.7% minimum

**Environmental:**

**Temperature**  
Operation                   0 to 40°C  
Non-operation             -20 to 70°C  
Operating Humidity   5 to 90%

**EMC**

Complies with FCC Class B  
Complies with EN55032 Class B

**Immunity**

IEC61000-4-2  
IEC610004-3  
IEC61000-4-4  
IEC61000-4-5  
IEC610004-6  
IEC610004-8  
IEC61000-4-11  
EN61000-3-2

**Over-Voltage Protection**

Auto-restart

**Over-Current Protection**

Auto-restart

**Short-Circuit Protection**

Protected against short circuit –  
Output can be shorted permanently  
without damage

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

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

**Insulation Resistance**

Primary to secondary: >7M ohm 500V DC

**DC Output Connector**

Center Positive Barrel (10mm x 5.5mm x  
2.1mm)

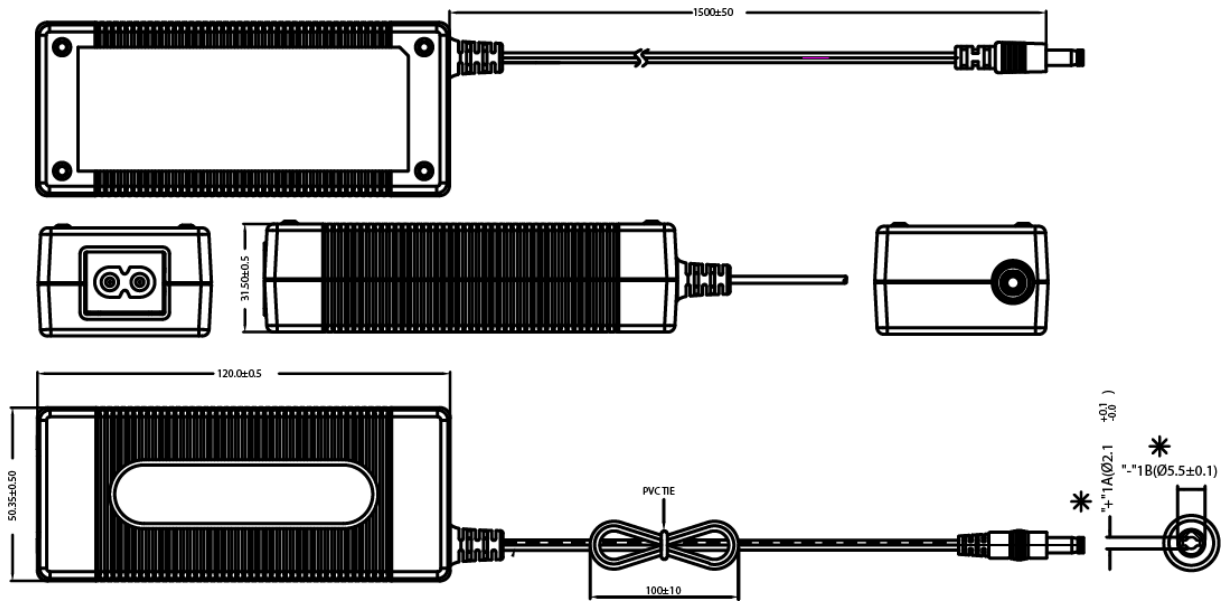
**DC Cord**

1500mm ± 50

**AC Input Inlet**

IEC320 C8

Dimension Diagram Unit: mm



**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.