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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[1] 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

Notes:
1. Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 MHz

PSAC45W Characteristics[1] WWW.PHIHONG.COM

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[2]
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

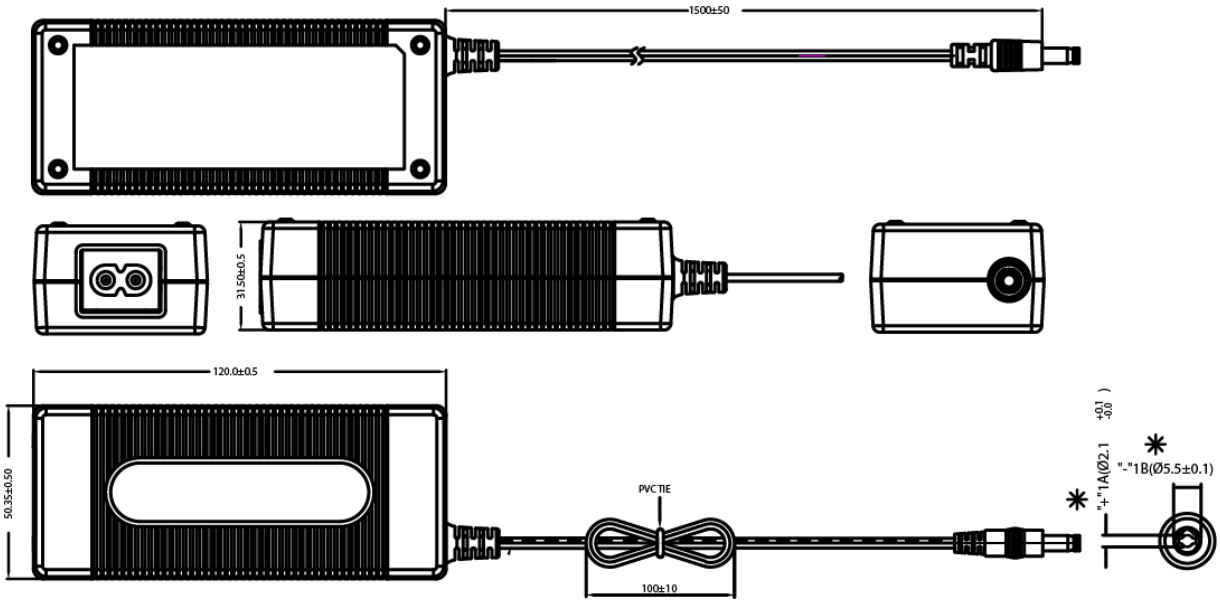
DC Output Connector
Center Positive Barrel (10mm x 5.5mm x 2.1mm)

DC Cord
1500mm ± 50

AC Input Inlet
IEC320 C8

Notes:
1. The characteristics defined are at ambient temperature of 25ºC unless otherwise specified
2. Efficiency is measured after 30minutes burn-in

Dimension Diagram Unit: mm



Accessories – Sold Separately

AC15WNA – Two Wire Power Cord for North America

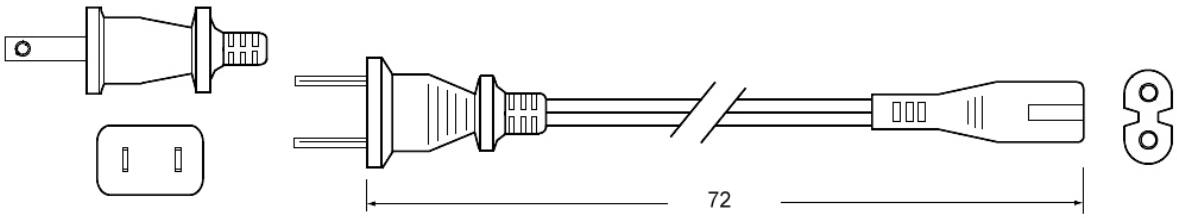
Specifications

- Plug Type: NEMA 1-15P
- Wire Size 18AWG
- Amperage Rating: 10A
- Connector: IEC320 C7
- Temperature: 60°C
- Voltage Rating: 125V

Safety Approvals

- CSA
- UL

Dimension Diagram Unit: inches



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AC15WEU – Two Wire Power Cord for Continental Europe

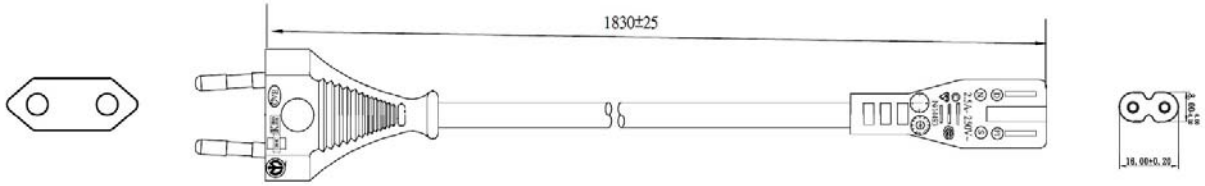
Specifications

- Plug Type: CEE 7XVI
- Wire Size 0.75mm^2
- Amperage Rating: 2.5A
- Connector: IEC320 C7
- Temperature: 70°C
- Voltage Rating: 250V

Safety Approvals

- CEBEC
- DEMKO
- DVE
- FIMKO
- GOST
- IMQ
- KEMA
- NEMKO
- NF
- OVE
- SEMKO
- SEV

Dimension Diagram Unit: mm (inch)



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AC15WUK – Two Wire Power Cord for United Kingdom

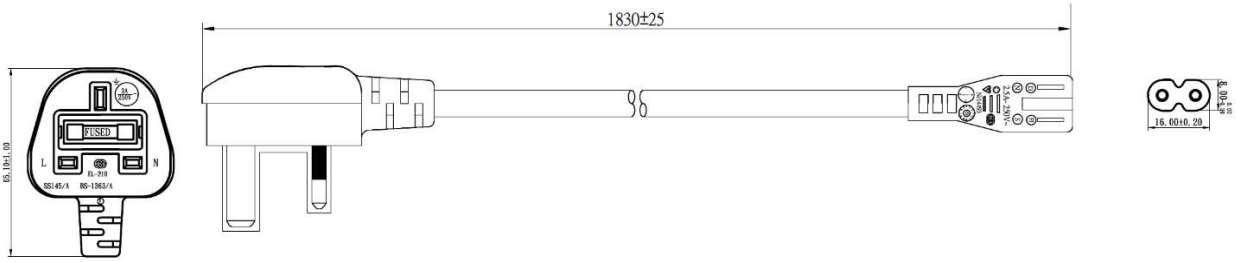
Specifications

- Plug Type: BS 1363
- Wire Size 0.75mm^2
- Amperage Rating: 5A
- Connector: IEC320 C7
- Temperature: 70°C
- Voltage Rating: 250V

Safety Approvals

- BSI
- Safety Mark

Dimension Diagram Unit: mm



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

PSAC45W-120-R
PSAC45W-180-R
PSAC45W-240-R
PSAC45W-480-R
PSAC45W-560-R

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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.