



## 18 Watt Universal 3-Wire Input Adapter



### Features

- Low Cost
- Efficiency Level VI Compliant
- Non-vented Case
- Low Profile Design
- Class B EMI

### Applications

- Portable Equipment
- Access Devices
- Peripherals
- Network Hubs

### Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1
- IEC60950-1
- IEC62368-1
- CE

### Mechanical Characteristics

- Length: 103mm (4.06in)
- Width: 49mm (1.93in)
- Height: 33.5mm (1.32in)
- Weight: 140g (4.94oz.)

### Output Specifications

| Model           | DC Output Voltage | Load |       | Ripple <sup>1</sup><br>P-P (max.) | Regulation<br>Line & Load |
|-----------------|-------------------|------|-------|-----------------------------------|---------------------------|
|                 |                   | Min. | Max.  |                                   |                           |
| PSAA18U-120L6-R | 12V               | 0A   | 1.5A  | 120mV                             | ±5%                       |
| PSAA18U-150L6-R | 15V               | 0A   | 1.2A  | 150mV                             | ±5%                       |
| PSAA18U-240L6-R | 24V               | 0A   | 0.75A | 240mV                             | ±5%                       |
| PSAA18U-480L6-R | 48V               | 0A   | 0.38A | 480mV                             | ±5%                       |

Notes:

1. Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel

**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**

0.6A (RMS) maximum at 100V AC

0.3A (RMS) maximum at 240V AC

**Leakage Current**

0.25mA maximum at 250V AC and 50Hz

**Inrush Current**

60A for 100V AC at maximum load

150A for 240V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

&lt;0.075W

**Output:****Efficiency<sup>2</sup>**

DOE Level VI

COC V5 Tier 2

**Over-Voltage Protection**

Auto restart

**Over-Current Protection**

Auto restart

**Short-Circuit Protection**

Output can be shorted permanently without damage

**Environmental:****Temperature**

Operation 0 to +40°C

Non-operation -20 to +75°C

Relative Humidity 0 to 90%

**Emissions**

Complies with FCC Class B

Complies with EN55032 Class B

**Immunity**

IEC1000-4-2 Level 4(contact 8kV, air 15kV)

IEC1000-4-3 Level 2

IEC1000-4-4 Level 2

IEC1000-4-5 Level 3

EN61000-4-6 Level 2

EN61000-4-8 Level 1

EN61000-4-11

**Insulation Resistance**

Input to Output : &gt; 10M ohm, 500V DC

Input to Field Ground: &gt; 10M ohm, 500V DC

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

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

Primary to F.G.: 1500V AC for 1 min., 10mA

**Input Connector**

IEC C14

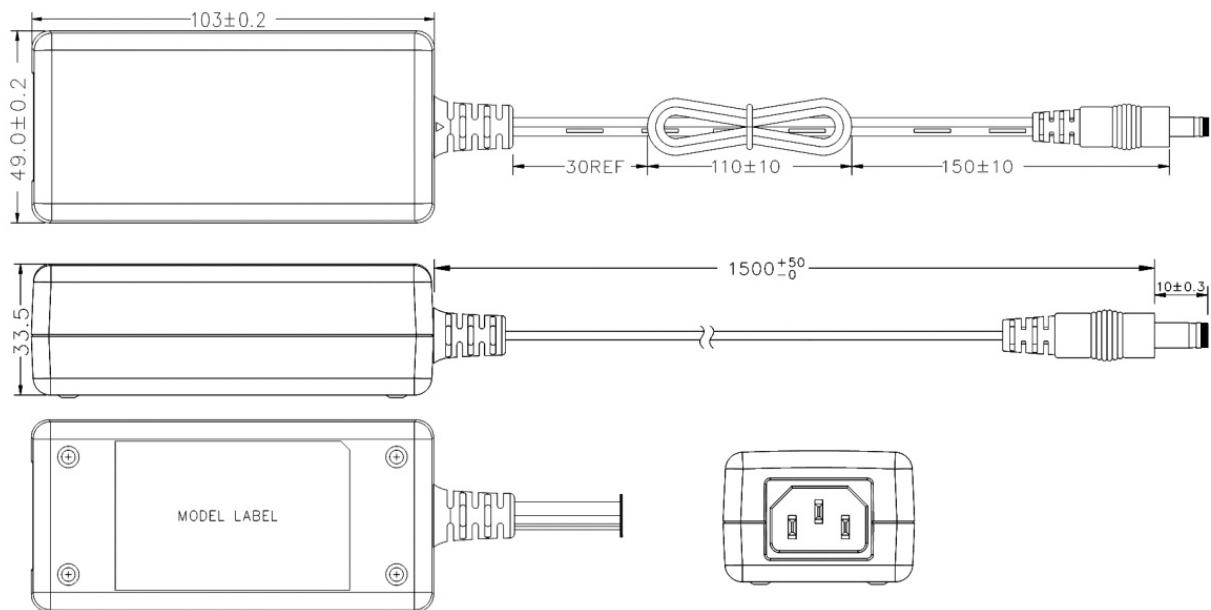
**DC Output Connector**

2.1mm x 5.5mm center positive standard

**Notes:**

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

Dimension Diagram Unit: mm



Accessories – Sold Separately

## AC30UNA-R – Three Wire Power Cord for North America



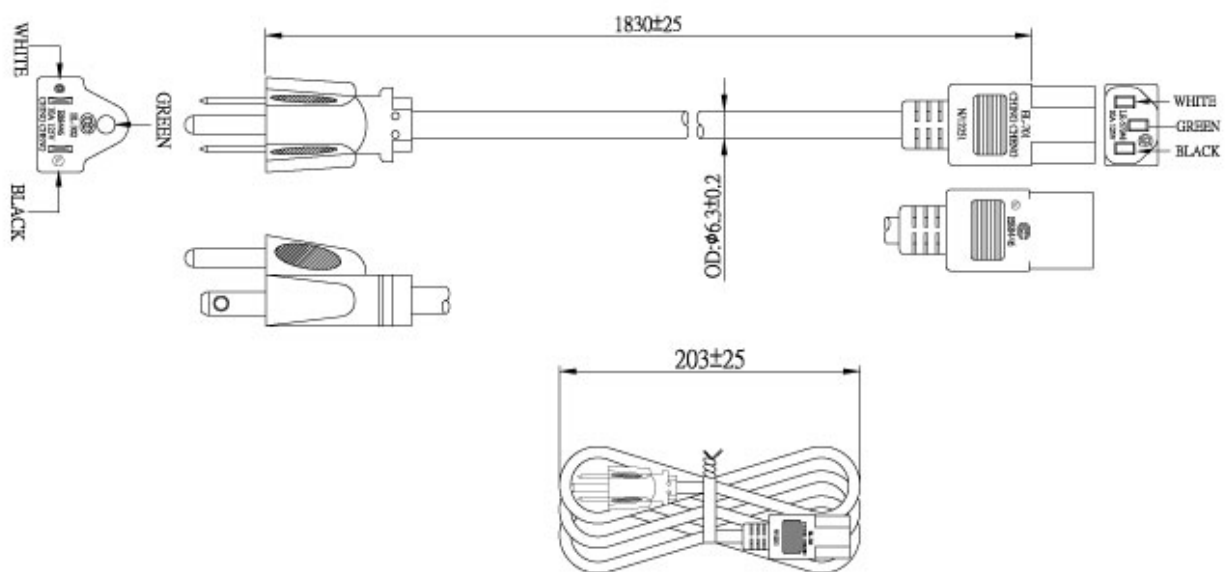
### Specifications

- Plug Type: NEMA 5-15P
- Wire Size 18AWG
- Amperage Rating: 10A
- Connector: IEC320 C13
- Temperature: 60°C
- Voltage Rating: 125V

### Safety Approvals

- CSA
- UL

### Dimension Diagram Unit: mm



## AC30UEU – Three Wire Power Cord for Continental Europe



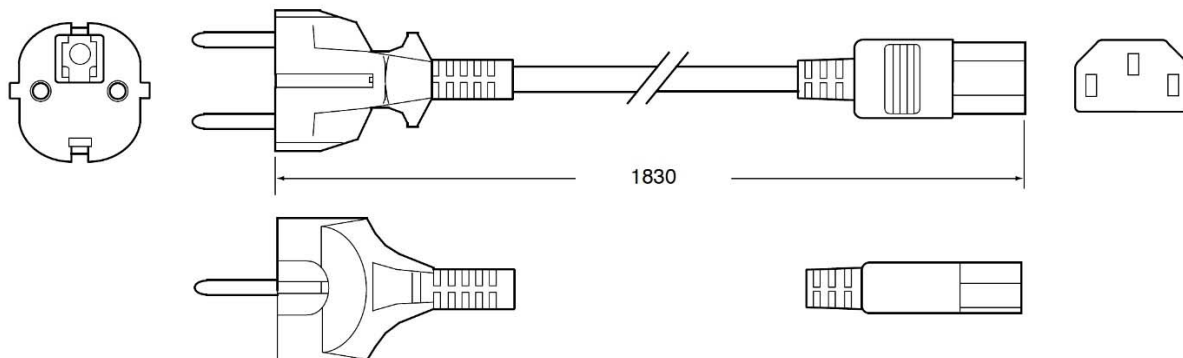
### Specifications

- |                                 |                         |
|---------------------------------|-------------------------|
| • Plug Type: CEE 7VII           | • Connector: IEC320 C13 |
| • Wire Size 0.75mm <sup>2</sup> | • Temperature: 70°C     |
| • Amperage Rating: 6A           | • Voltage Rating: 250V  |

### Safety Approvals

- |         |         |
|---------|---------|
| • CEBEC | • DEMKO |
| • DVE   | • FIMKO |
| • GOST  | • IMQ   |
| • KEMA  | • NEMKO |
| • NF    | • ÖVE   |
| • SEMKO |         |

### Dimension Diagram Unit: mm



## AC30UUK – Three Wire Power Cord for United Kingdom



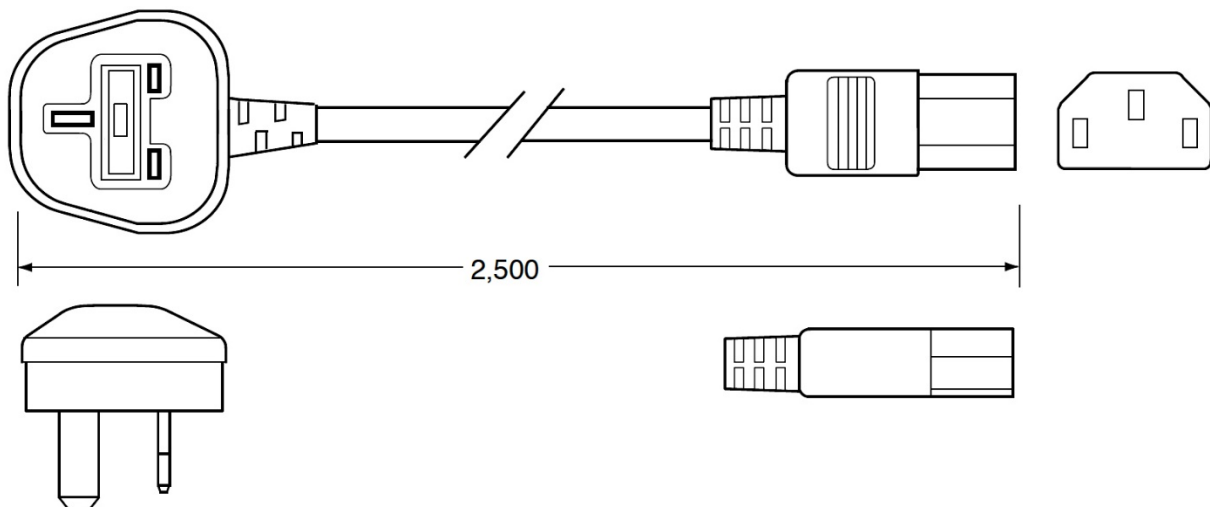
### Specifications

- Plug Type: BS 1363
- Wire Size 1.0mm<sup>2</sup>
- Amperage Rating: 10A
- Connector: IEC320 C713
- 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**

**PSAA18U-120L6-R**

**PSAA18U-150L6-R**

**PSAA18U-240L6-R**

**PSAA18U-480L6-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.