



## 250 Watt Desktop C14 Adapter Series



### Features

- DOE Level VI Efficiency Compliant
- Class B EMI
- Non-vented/Spill-proof Case

### Applications

- Networking
- Peripherals
- Consumer Electronics

### Safety Compliance

- UL/IEC62368-1

### Mechanical Characteristics

- Length: 204mm (8.03in)
- Width: 94mm (3.70in)
- Height: 43.4mm (1.73in)
- Weight: 1040g (36.68 oz)

### Output Specifications

Model	Output Voltage	Max Current	Output Power	Regulation	Ripple & Noise <sup>1</sup> p-p(max)
PPL250U-120L6	12V	20A	240W	± 5 %	120mV
PPL250U-190L6	19V	13.2A	250W	± 5 %	190mV
PPL250U-240L6	24V	10.4A	250W	± 5 %	240mV
PPL250U-480L6V	48V	5.2A	250W	± 5 %	480mV
PPL250U-480L6	48V	5.2A	250W	± 5 %	480mV
PPL250U-560L6V	56V	4.48A	250W	± 5 %	560mV
PPL250U-560L6	56V	4.48A	250W	± 5 %	560mV

Notes:

1. 20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load)

**Input:**

**AC Input Voltage Rating**

100 to 240VAC

**AC Input Voltage Range**

90 to 264VAC

**AC Input Frequency**

50 to 60Hz

**Input Current**

3.3A max.

**Leakage Current**

<3.5mA

**Inrush Current**

120A max/230VAC

(Cold Start at ambient 25°C, full load)

**Input Power Saving**

≤0.21W, no load

≤0.5W, 230VAC, no load (PPL250U-480L6V, PPL250U-560L6V)

**OUTPUT:**

**Efficiency<sup>2</sup>**

DOE Level VI

**Over-Voltage Protection**

V out 150% max

**Short-Circuit Protection**

Shut down

**Over-Current Protection**

I out 150% max

**Over-Temperature Protection**

Latch Protection

**ENVIRONMENTAL**

**Temperature**

Operating 0°C to + 40°C

Non-operating -20°C to +80°C

Operating Humidity 20°C to 80%

**Emissions**

Complies with FCC Class B

Complies with EN55032 Class B

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

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

**Insulation Resistance**

Primary to Secondary: 10M ohm for 500VDC

**DC Cable Length**

1200MM

**DC Cable Type**

16AWG\*4C – 19V, 24V

16AWG\*6C – 12V

18AWG\*4C – 48V, 56V

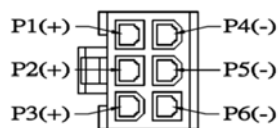
**DC Output Connector**

6-Position Molex housing 39-01-2060 with terminals 39-00-077

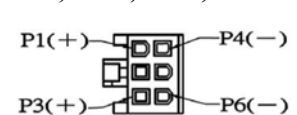
Mates with Molex housing 39-01-2061 with terminals 39-00-0081

**DC Plug pin assignment**

**12V:**



**19V, 24V, 48V, 56V:**



**Input Connector**

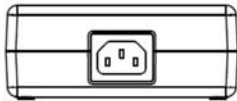
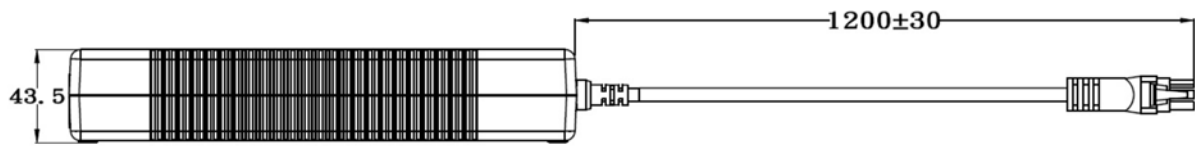
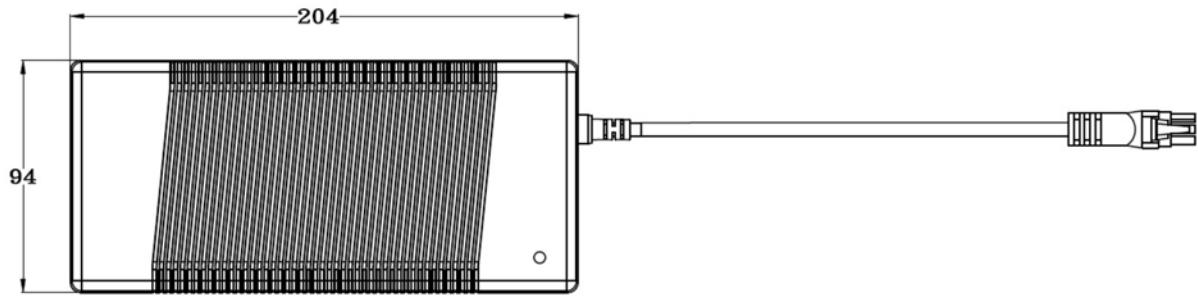
IEC60320-C14

Notes:

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

PPL250U

Dimension Diagram Unit: mm



FRONT-VIEW

Accessories – Sold Separately

AC30UNA-R – Three Wire Power Cord for North America



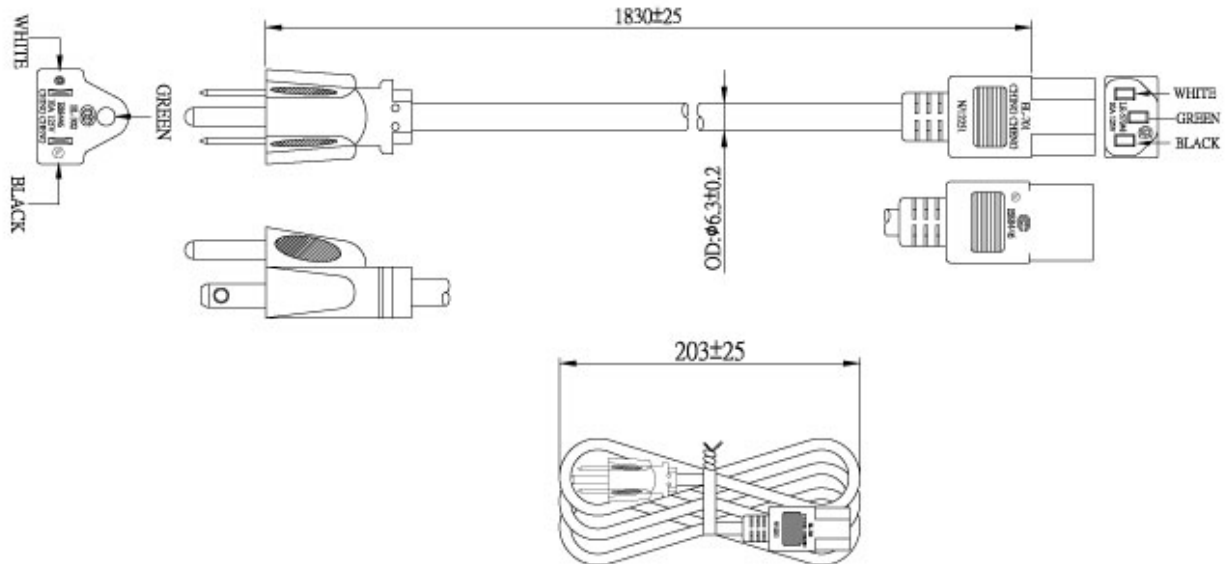
Specifications

- 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



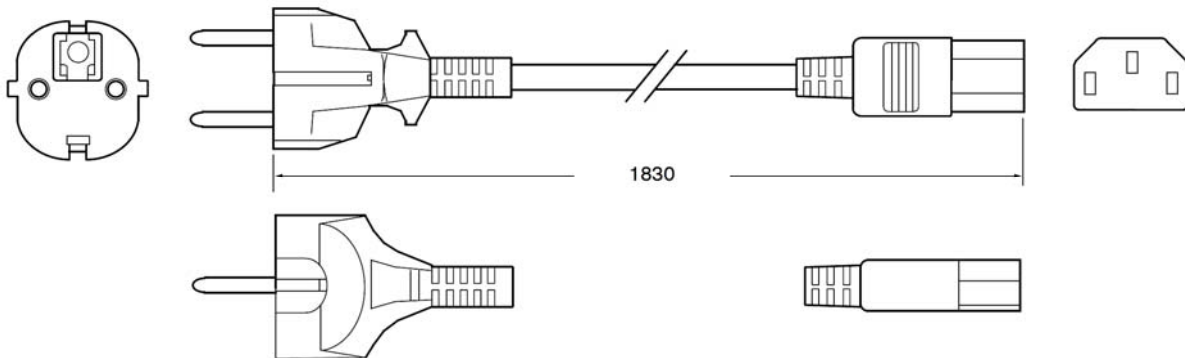
### Specifications

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

### Safety Approvals

- CE
- D
- GOST
- KEMA
- NF
- SEMKO
- DEMKO
- FIMKO
- IMQ
- NEMKO
- ÖVE

### Dimension Diagram Unit: mm



## AC30UUK – Three Wire Power Cord for United Kingdom



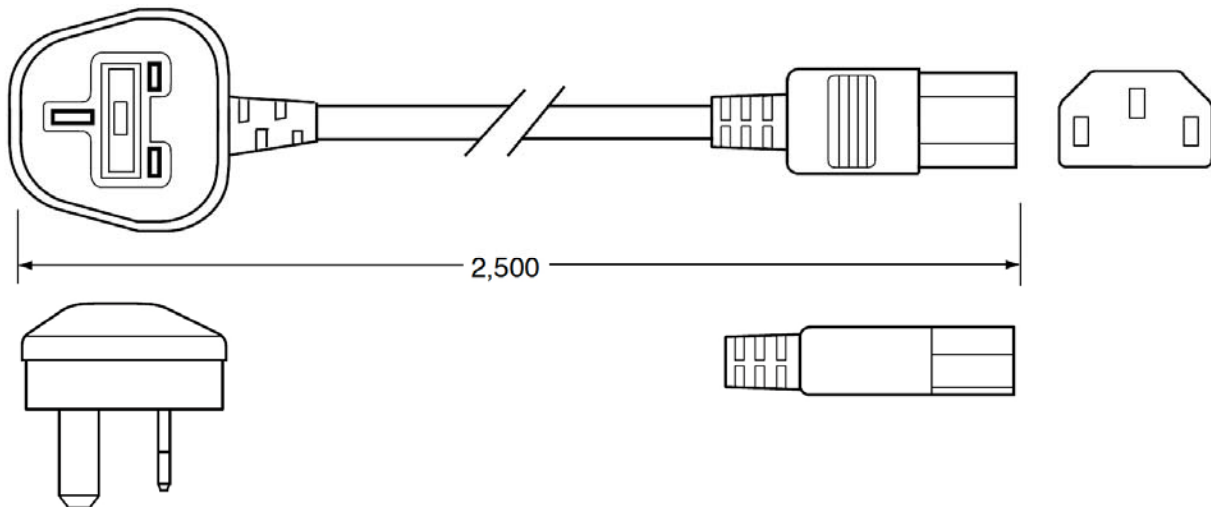
### Specifications

- 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**

**PPL250U-120L6  
PPL250U-190L6  
PPL250U-240L6  
PPL250U-480L6V  
PPL250U-560L6V**

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NOTE: This model has/The models in this product 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.