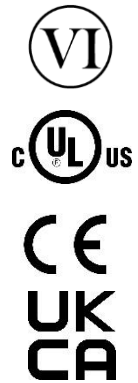




24W Desktop C8 Adapter Series



Features

- DOE Level VI Efficiency Compliant
- EU CoC Tier 2 Compliant (except 5V, 5.9V, 10V, 11V models)
- Over Voltage, Short Circuit and Over Current Protection
- Non-Vented/Spill-Proof Case
- Class B EMI

Applications

- Networking
- Peripherals
- Consumer Electronics

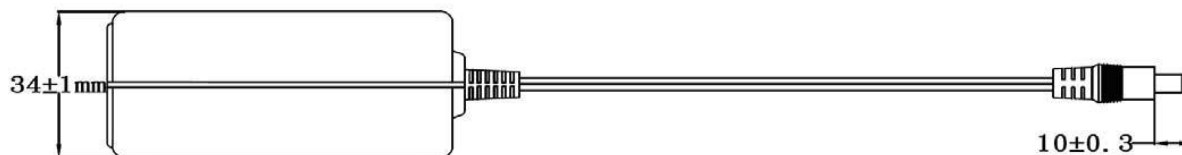


PPL24W Series Specifications¹

| Model | | PPL24W-480 |
|--------------------------|---|---|
| Output | DC Output Voltage | 48.0V |
| | Max Current | 0.5A |
| | Output Power | 24.0W |
| | Regulation | ± 5% |
| | Ripple & Noise P-P(max) ² | 480mV |
| Input | AC Input Voltage Range | 90 to 264VAC |
| | AC Input Frequency | 47 to 63Hz |
| | Input Current | 0.58A max |
| | Inrush Current | 50A max., 100VAC; 60A max., 230VAC |
| | No Load Power Consumption at 115VAC Input | 0.05W |
| | No Load Power Consumption at 230VAC Input | 0.07W |
| | 115VAC Average Efficiency ³ | 89.3% |
| | 230VAC Average Efficiency ³ | 88.0% |
| | 230VAC 10% Load Efficiency ³ | 77.3% |
| | Leakage Current | <3.5A |
| Protection | Over-Voltage | 75V max |
| | Short Circuit | Auto-recover after short-circuit fault is removed |
| | Over-Current | 1.2A max |
| Environmental | Operating Temperature | 0°C to +40°C |
| | Non-Operating Temperature | -20° to +80°C |
| | Operating Humidity | 20 to +80% |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 3000VAC for 1min, 10mA |
| | Insulation Resistance | Primary to Secondary: 10M ohm for 500VDC |
| | Standards | cULus 62368-1, IEC 62368-1 |
| | EMI Emissions | FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated |
| | Harmonic Current Emissions | IEC 61000-3-2 |
| | Voltage Fluctuations & Flicker | IEC 61000-3-3 |
| | Immunity | EN 55024/CISPR 24: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |
| Mechanical | Dimensions (L x W x H) | 88.5mm (3.48in) x 50mm (1.97in) x 34mm (1.34in) |
| | Weight | 170g |
| | Cable Length | 1500mm |
| | DC Cable Type | 22 AWG |
| | DC Output Connector | 2.1mm x 5.5mm x 10.0mm |
| | DC Plug Pin Assignment | Inner (V+) / Outer GND (V-) |
| | Input Connector | IEC 60320 C8 |
| Notes | <ol style="list-style-type: none"> The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 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). Efficiency is measured after 30 minutes burn-in. | |



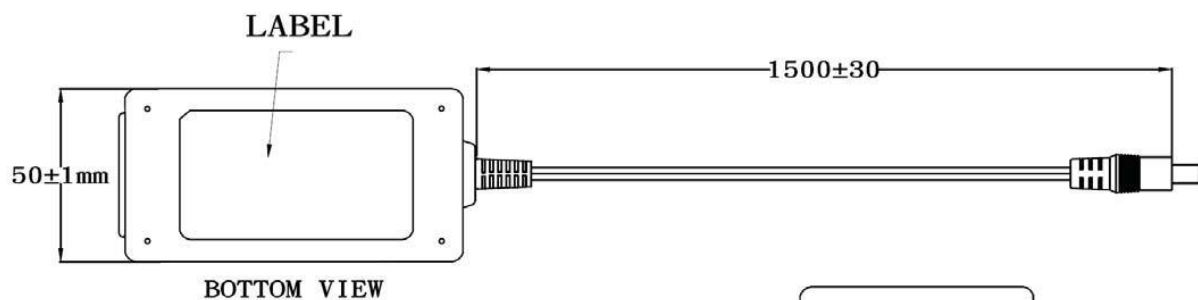
PPL24W Outline Drawing



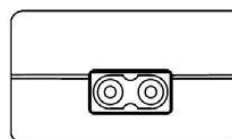
SIDE VIEW



TOP VIEW



BOTTOM VIEW



FRONT-VIEW



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

Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



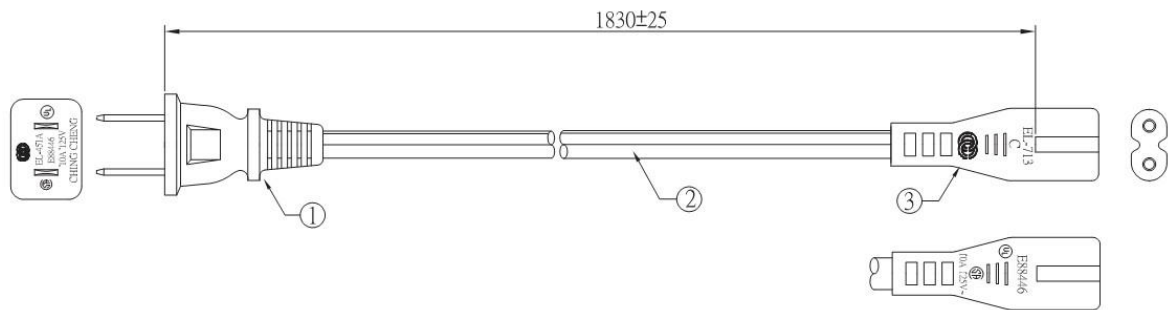
Line Cords Sold Separately

| Model | | AC15WNA-C-R | AC15WNA-R | AC15WEU-R | AC15WUK-R |
|------------------|-----------------|---|--|---|---|
| Specifications | Plug Type | North America NEMA 1-15P | North America NEMA 1-15P | Continental Europe CEE 7XVI | United Kingdom BS 1363 |
| | Connector | IEC320 C7 | IEC320 C7 | IEC320 C7 | IEC320 C7 |
| | Wire Size | 18 AWG | 18 AWG | 0.75mm | 0.75mm |
| | Temperature | 60°C | 60°C | 60°C | 60 °C |
| | Amperage Rating | 10A | 10A | 2.5A | 2.5A |
| | Voltage Rating | 125V | 125V | 250V | 250V |
| | Cable Length | 1830mm | 1830mm | 1830mm | 1830mm |
| Safety Approvals | | CSA; UL | CSA; UL | CEBEC; DEMKO; DVE; FIMKO; GOST; IMQ; KEMA; NEMKO; NF; OVE; SEMKO; SEV | BSI; Safety Mark |
| Photos | |  |  |  |  |

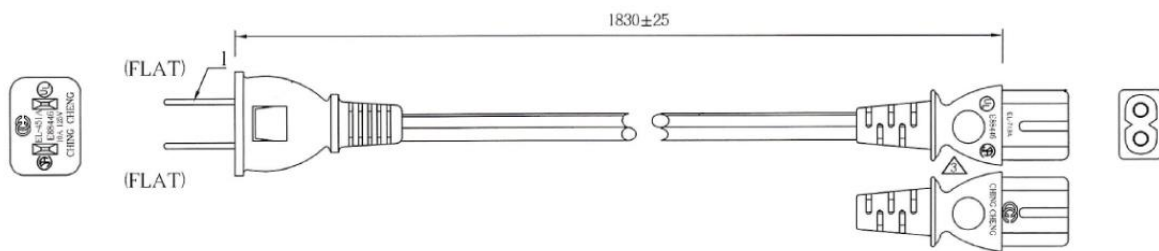


Line Cords Outline Drawings

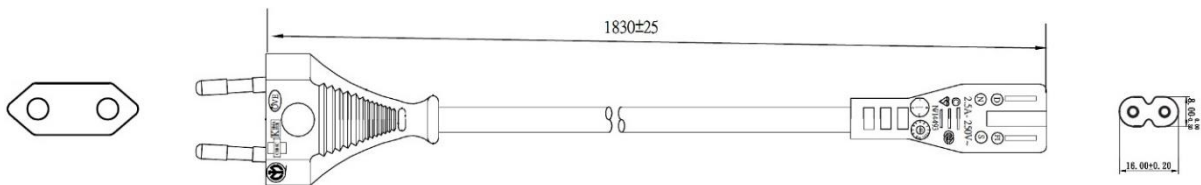
AC15WNA-C-R



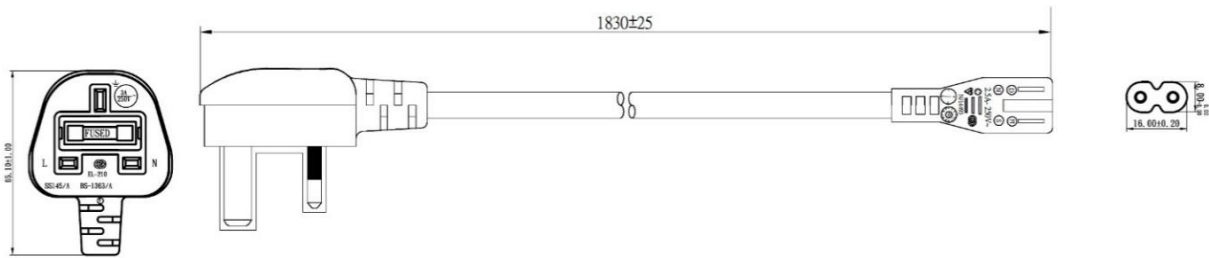
AC15WNA-R



AC15WEU-R



AC15WUK-R



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phihong:

PPL24W-480 AC15WNA-C-R