



Single Port 15.4W Power-over-Ethernet Passive Power Injector



Features

- No Detection – passive injector
- Non-Vented Case
- Gigabit Data Rates
- DoE Level VI Compliant
- ErP/Ecodesign Directive 2009/125/EC – Regulation EU 2019/1782 Compliant
- Small Case Size
- Full Protection OCP, OVP
- Low Cost
- 1-year Warranty

Applications

- IP telephones
- Wireless Network Access Points
- Security Cameras



POE15W-560 Specifications¹

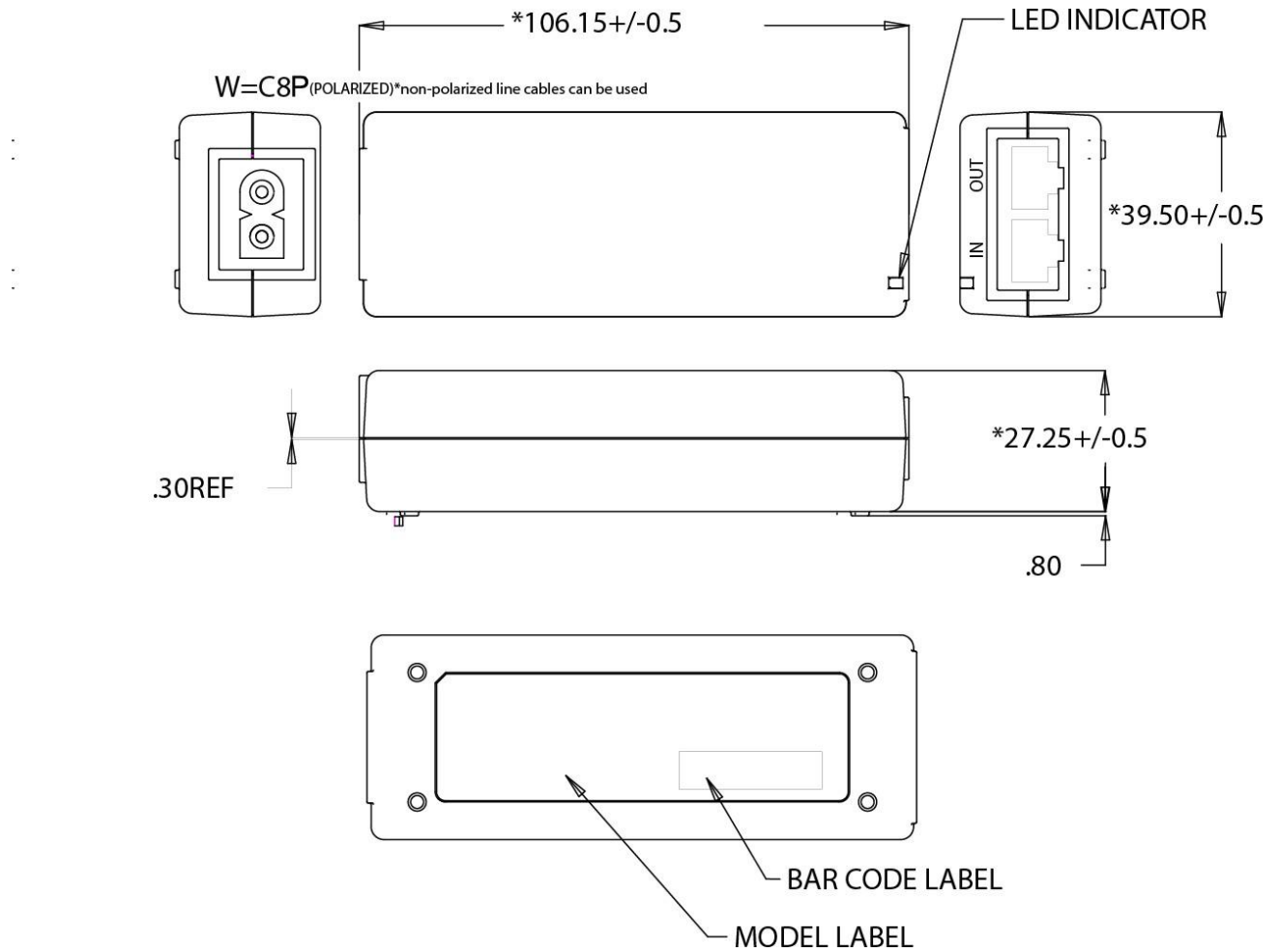
| Model | | POE15W-560-R ² |
|--------------------------|---|--|
| Output | DC Output Voltage | 56.0V |
| | Max Current | 0.275A |
| | Output Power | 15.4W |
| | Data Speed | 1G |
| | Regulation | ±5% |
| | Ripple & Noise P-P(max) ³ | 200mV |
| Input | AC Input Voltage Range | 90 to 264VAC |
| | AC Input Frequency | 47 to 63Hz |
| | Input Current | 0.5A (RMS) max for 90VAC, 0.35A (RMS) max for 240VAC |
| | No Load Power Consumption at 115VAC Input | ≤ 0.1W |
| | No Load Power Consumption at 230VAC Input | ≤ 0.075W |
| | 115VAC Average Efficiency ⁵ | ≥ 84.26% |
| | 230VAC Average Efficiency ⁵ | ≥ 81.72% |
| | 230VAC 10% Load Efficiency ⁵ | ≥ 71.72% |
| | Leakage Current | 0.25mA max for 254VAC/50Hz |
| Protections | Over-Voltage | ≤120V, Latching |
| | Over-Current | ≤400mA |
| | Short Circuit | Continuous. No damage. |
| Environmental | Operating Temperature | -20°C to +50°C |
| | Non-Operating Temperature | -25° to +75°C |
| | Operating Humidity | 5 to 90% RH max |
| Safety Approvals and EMC | Dielectric Withstand (HI-POT) | Primary to Secondary: 4242VDC for 1 sec, 10mA |
| | Insulation Resistance | Primary to Secondary: >10M ohm for 500VDC |
| | Standards | cULus 60950-1, cULus 62368-1, IEC 60950-1, 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 55035/CISPR 35: IEC 61000-4-2 (Contact: ±4KV, Air: ±8KV), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (± 2kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11 |
| Mechanical | Dimensions (L x W x H) | 106.2mm (4.18in) x 40.0mm (1.56in) x 27.3mm (1.07in) |
| | Weight | 100g |
| | Input Connector | IEC320 C8 |
| | Output Connection | +pins 3,6/ -pins 1,2 |
| | Data In/Output Connector | Unshielded RJ45 |
| | LED Indicators | Solid Blue: Power "ON" |
| Notes | <ol style="list-style-type: none"> The specifications defined are at ambient temperature of 25°C, unless otherwise specified. Consult factory for availability 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. | |

Phihong is not responsible for any error and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information. Revised 9/26/2024

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POE15W-560 Outline Drawing





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

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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.



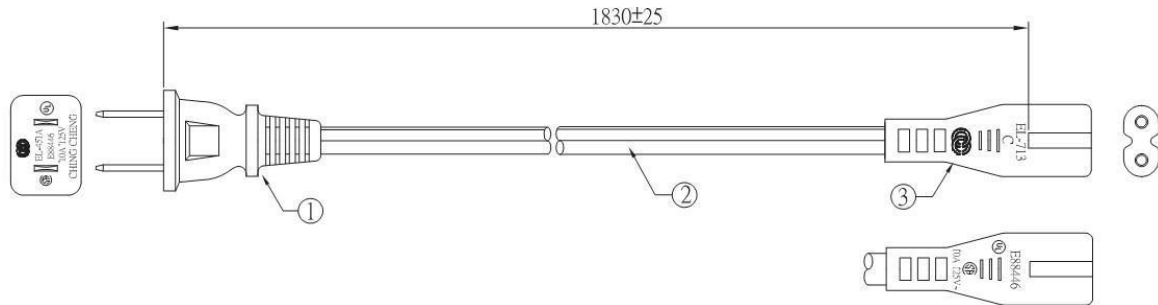
Line Cords – Sold Separately

| 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 | |  |  |  |  |

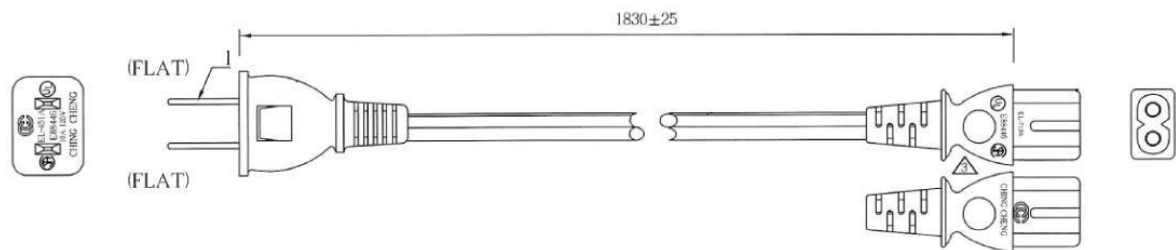


Line Cords - Outline Drawings

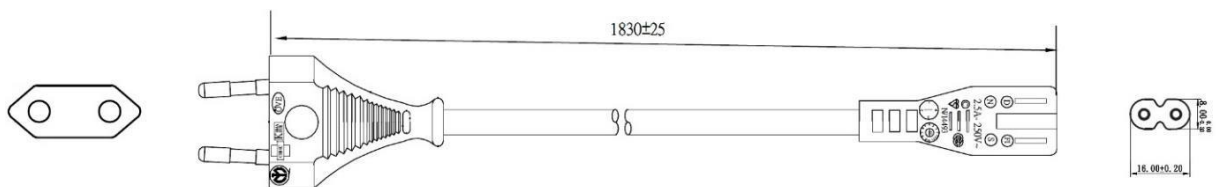
AC15WNA-C-R



AC15WNA-R



AC15WEU-R



AC15WUK-R

