



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

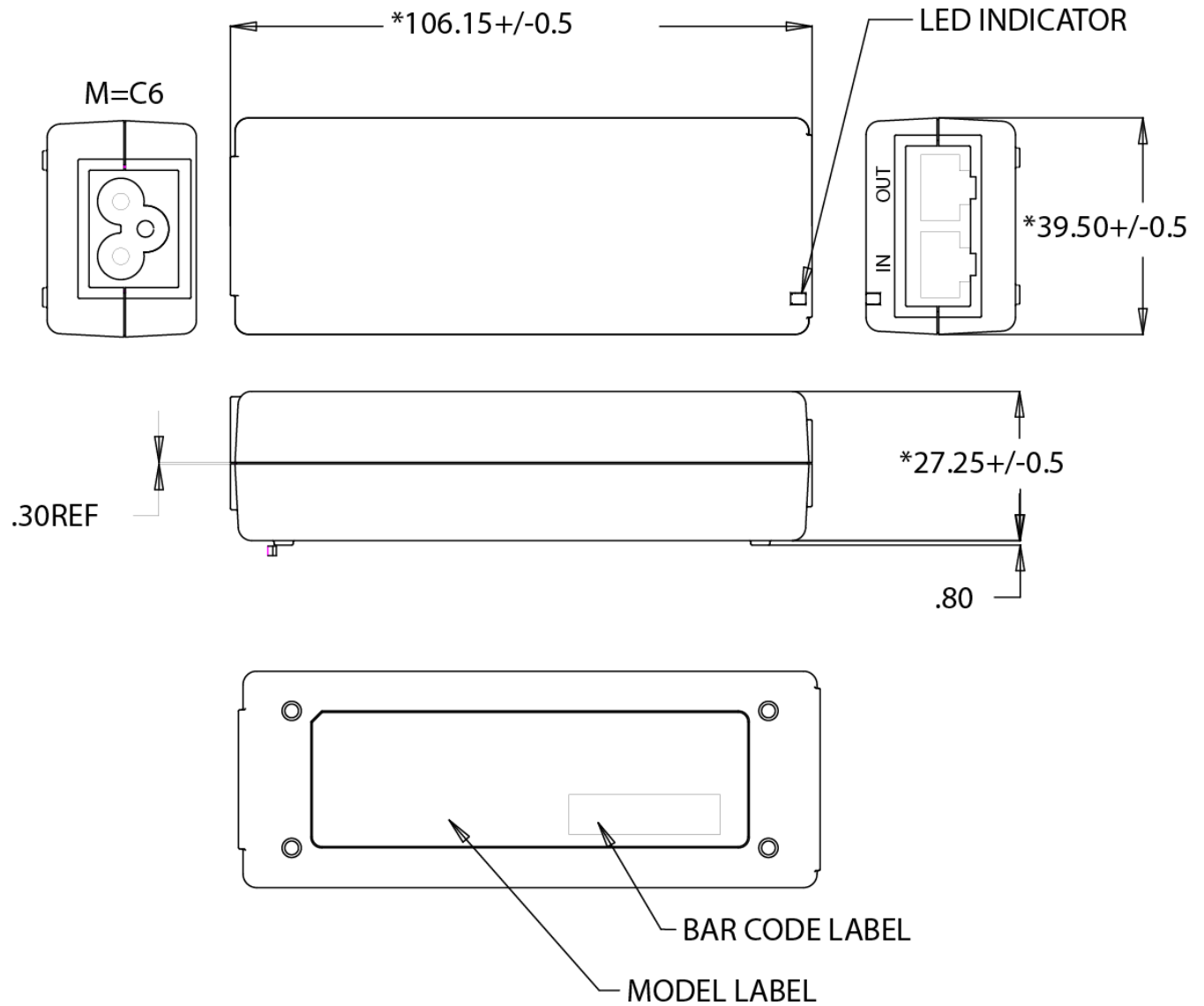


POE15M-560 Specifications¹

| Model | | POE15M-560-R ² | POE15M-560E-R |
|--------------------------|---|--|---------------|
| Output | DC Output Voltage | 56.0V | 56.0V |
| | Max Current | 0.275A | 0.275A |
| | Output Power | 15.4W | 15.4W |
| | Data Speed | 1G | |
| | Regulation ³ | +1V, -2V | |
| | Ripple & Noise P-P(max) ⁴ | 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 | 0.040W | 0.047W |
| | No Load Power Consumption at 230VAC Input | 0.063W | 0.073W |
| | 115VAC Average Efficiency ⁵ | 90.17% | 85.47% |
| | 230VAC Average Efficiency ⁵ | 88.55% | 85.22% |
| | 230VAC 10% Load Efficiency ⁵ | 75.58% | 69.24% |
| | 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 55024/CISPR 24: 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 C6 | |
| | Output Connection | +pins 3,6/ -pins 1,2 | |
| | Data In/Output Connector | Unshielded RJ45 | Shielded RJ45 |
| | LED Indicators | Solid Blue: Power “ON” | |
| Notes | 1. The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 2. Not recommended for new designs (NRND). Minimum order quantities apply. 3. Voltage to be measured within 2” of the output RJ45 connector. 4. 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). 5. Efficiency is measured after 30 minutes burn-in. | | |



POE15M-560 Outline Drawing






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

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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.

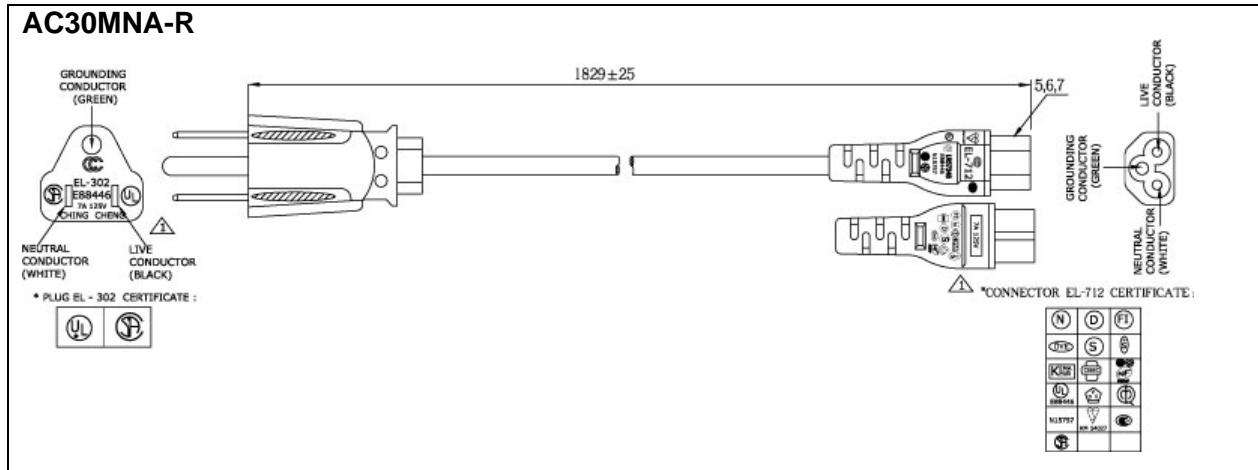


Line Cords – Sold Separately

| Model | | AC30MNA-R |
|------------------|-----------------|--|
| Specifications | Plug Type | North America NEMA 5-15P |
| | Connector | IEC320 C6 |
| | Wire Size | 18 AWG |
| | Temperature | 60°C |
| | Amperage Rating | 7A |
| | Voltage Rating | 125V |
| | Cable Length | 1829mm |
| Safety Approvals | | CSA; UL |
| Photos | |  |



Line Cords - Outline Drawings



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