

Vi0017

48VDC @ 40W PoE Power Supply

Features

- Designed for powering PoE sources 802.3af (15.4W) and 802.3at (30W)
- The 40W output provides extra power required to handle power surges to avoid PoE shut down
- Overload protection
- Auto recovery mode, monitors power conditions, and will automatically restart power to avoid potential service calls
- Wide operating temperature range of -30°C to 60°C



Applications

- Powering PoE sources
- Powering PoE Media Converters

Vigatron's Vi0017 is designed to handle the demanding requirements for PoE power. With the ability to provide both 802.3af (15.4W) and 802.3at (30W), it reserves up to 10W to respond to limited over-power surges resulting from IP camera accessory functions such as day/night, auto back focus, LED, and PTZ start-up. The extra power will avoid PoE and system shut down, and will save time and money from costly service calls. Built-in overload and over-voltage protection serve to protect both the power supply and device power from damage. The Vi0017 monitors conditions during power outage and will automatically restart power when the condition is no longer present. The Vi0017 operates under a wide temperature range from -30°C to 60°C (-22°F to 140°F).

Application Diagrams



Technical Specification

Electrical

| | |
|-------------------|---|
| Input | 90-264VAC @ 47Hz-63Hz |
| Output | 48VDC@ 840mA, 40W |
| Protection | Overload: 105 to 150% of rated power output Overvoltage: 50.4 to 64.8V |
| Protection Method | Overload: Short duration - Automatic recovery after fault is no longer present Overvoltage: Shut down - Repower for recovery |
| Connectors | AC Input : IEC 320-C14 Inlet DC Output: P1J - Center pin positive |

Regulatory

| | |
|--------------|---|
| Regulatory | UL, FCC |
| Safety | UL60950-1 TUV EN 60950 BSMI CNS14336 |
| Emissions | EN 55022, Class B EN 61000-3-2, 3 FCC, Part 15/CISPR22 Class B CNS13428 Class B GB9254 Class B GB17625.1 |
| EMC Immunity | EN61000-4-2-3-5-6-8-11 |

Environmental

| | |
|-------------|--|
| Humidity | 20% - 90% RH non-condensing |
| Temperature | Operating: -30°C to 60°C Storage: -40°C to 85°C |

Mechanical

| | |
|------------------|---|
| Dimensions | 4.9 x 2 x 1.2 in., 125 x 50 x 31.5 mm (HxWxL) |
| Weight | 0.55 lbs. (249g) |
| Housing Material | Fully Enclosed Plastic Case |

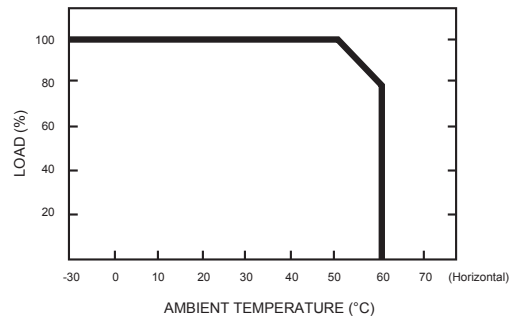
Accessories

Molded IEC 7 ft. (200cm) Power Cord

Ordering Information

| Part No. | Description |
|----------|-------------------------|
| Vi0017 | 48VDC, 40W Power Supply |

Derating Curve



Static Characteristics

