

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

Vigtron'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

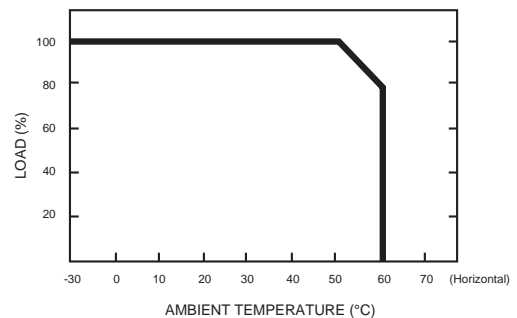
Accessories

Molded IEC 7 ft. (200cm) Power Cord

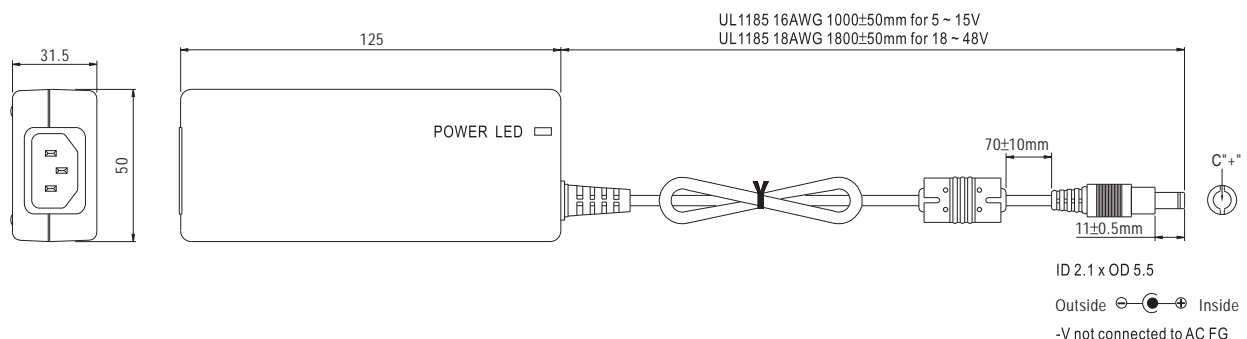
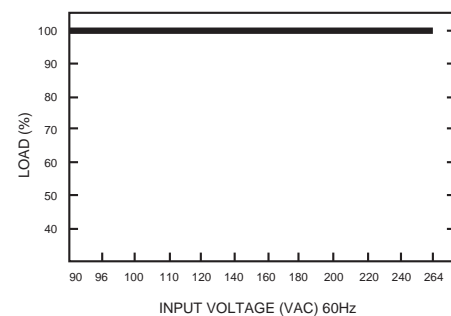
Ordering Information

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

Derating Curve



Static Characteristics



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