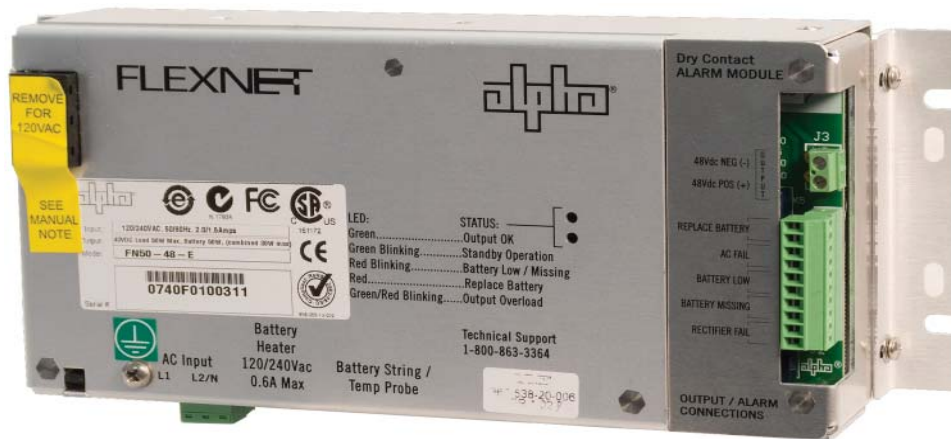


Power

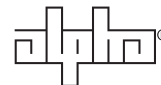
FlexNet™ FN50-48-ET

Supports Telecom Communications With Dry Contact Alarming



- Rugged 48Vdc indoor or outdoor UPS
- Provides primary power for critical communications and networks
- Temperature compensated battery charging for optimum battery life
- Local and remote status monitoring and reporting

Alpha's FlexNet FN-48-ET provides primary and standby power for telecom communication loads that use dry contact alarming. Supporting Telecom loads with the FN50-48-ET standby battery backup allows service providers to extend uninterrupted, reliable service to critical communication loads. This unit provides regulated 48Vdc output power and remote monitoring with remote monitoring. This power supply is suited for both North America and International Markets. Battery charge management is specific to deep cycle valve-regulated lead-acid batteries.



Specifications

Input
 Voltage Range: 90 to 132, or 180 to 264Vac (switch selectable) or 250 to 305Vac with optional step-down transformer
 Frequency: 50 to 60Hz
 Surge Protection: ANSI/IEEE Std. C62.41 to Category A, B, or C or "Combination" waveform, at a level of 6kV

Output
 Voltage: 42 to 56Vdc
 Power (over PoE like interface*): See Chart
 Transfer Characteristics: Uninterrupted upon loss of AC service

Battery
 Type: Four Valve-Regulated Lead-Acid (VRLA)

Capacity: As required
 Runtime @ 77°F (25°C): (see note **)

Communications: Data communication includes:
 • Input Voltage • Output Power • Battery Temperature
 • Output Voltage • Battery Voltage • Battery Current
 • Battery % Charge Remaining

LED Status Indicators

Green Steady: Output within parameters
 Green Blinking: On Battery Operation
 Red Blinking: Low or Missing Battery
 Red Steady: Replace Battery

Mechanical

Unit Dimensions (in/mm): 4.22H x 10.19W x 2D / 107H x 259W x 51D
 Weight (lb./kg): 1.5 / .68

Operating Temperature: -40°C to 55°C / -40°F to 131°F

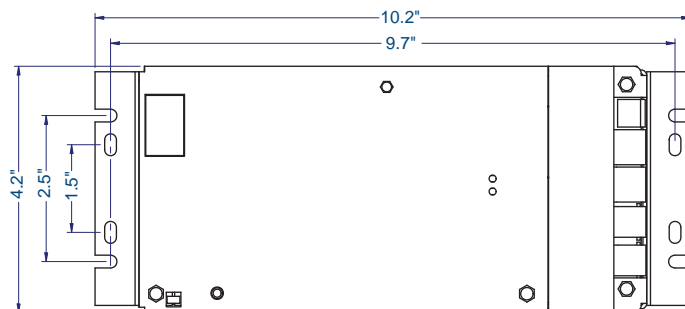
Storage Temperature: -50°C to 70°C / -58°F to 158°F
 Humidity: 0 to 95% non-condensing
 Altitude: Up to 3000m / 10,000 ft

Regulatory

Agency Compliance: FCC part 15 Class B, CSA-NRTL/C (CSA60950), CE, C-Tic, RoHS compliant per 2002/95/EC

* PoE (Power over Ethernet) like interface designed to 802.3af specifications.

** Standby power (battery runtime during an AC outage) will vary with the FN50-48-ESL power module. The runtime is directly related to the battery state of charge, charge time available, and the load. With 12Ah batteries, an 18W load is supported at 53° latitude with a minimum recharge time of 6.5 hours on the shortest night of the year. Increasing battery capacity reduces depth of discharge and extends battery service life.



48Vdc To Load
 Alarm Connections

Interface Module

Benefits

- Includes 10-pin Dry Contact Alarm Connector (16-28AWG)
- Includes battery temperature probe, AC input connector and battery cable kit
- Keyed battery connection prevents misconnection
- Heater option provides greater runtime in cold climates
- Integral mounting bracket supports all installations
- Batteries readily available through multiple suppliers
- Product options minimize installation errors and time

For contact information visit www.alpha.com

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