

Power

FlexNet™ FiberUPS™

Element Powering - 48Vdc 300W UPS



- Power modules can be used in a variety of Alpha enclosures
- Rugged 48VDC UPS for outdoor or indoor applications
- Temperature compensated battery charging for extended battery life
- Visual and electrical indicators for on-site and remote reporting
- Flexible cabinet mounting

Alpha introduces a cost effective UPS powering solution for today's distributed communications networks.

Designed to provide battery backup power where needed in the field, the FlexNet FiberUPS can supply power to telephony, fiber-to-the-curb or home (FTTC/H), or other communication equipment requiring 48Vdc to operate. Installed in a pole, wall, or ground mount weather resistant enclosure, the FlexNet FiberUPS will keep field distributed electronics up and running during power disturbances and outages. The FlexNet products can be an inexpensive solution to provide dedicated power to optical nodes.

FlexNet FiberUPS

Nominal Specifications

Model: ELPM 300–48D

Input

Voltage Range: 85 to 170 or 132 to 264Vac selectable
Frequency: 50 or 60Hz

Output

Voltage: 48Vdc (42 to 54Vdc)
Output Power Max.: 300W
Transfer Characteristics: Uninterrupted output
DC Ripple: 500mV

Battery

String Voltage: 48Vdc
Typical Capacity: Four 50Ah (85GXL)
Type: Sealed lead acid GEL, maintenance free
Battery Charging: Temperature compensated
Backup Time Approx.: 8hrs @ 275W load

Mechanical

Dimensions (in): 6H x 10.1W x 3.25D
(mm): 152H x 256.5W x 82.6D
Weight (lb/kg): 10/4.5

Environment

Operating Temperature: -40 to 65°C (-40 to 149°F)
Storage Temperature: -50 to 70°C (-58 to 158°F)
Humidity: 0 to 95% non-condensing

LED Indicators

OUTPUT okay (green)
STANDBY operation (green blinking)
LOW/MISSING BATTERY (red blinking)
REPLACE BATTERY (red)

Alarm Indicators

AC FAIL (TELM 1)
Replace Battery (TELM 2)
Battery Missing (TELM 3)
Battery Low (TELM 4)

Note: Compliant with PacketCable™ UPS Specifications
Embedded MTA Primary Line Support Specification
(PKT-SP-EMTA-Primary-101-001128)

Mounting Configuration

Bracket mounted inside enclosure

Agency Compliance

FCC part 15 Class B
CSA–NRTLIC (CSA950)

Standard Features

No Audible Noise
Reverse Battery Polarity Protection



For contact information visit www.alpha.com

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