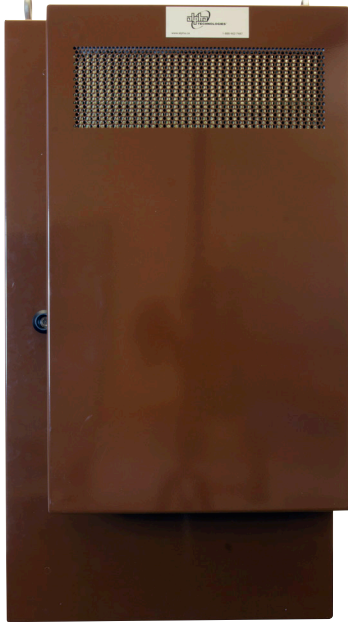




an EnerSys® company

CPH-48

Central Power Hub



- 33" tall, 18" wide and 20" deep provides a compact overall footprint ideal for pole mount installations in Small Cell applications
- Provides up to forty-eight (48) $\pm 190\text{VDC}$ (100W) line powering channels from AC utility power source
- 50-pair protector panel provided for output surge protection for each $\pm 190\text{VDC}$ (100W) circuit
- Wide AC input voltage range (90 - 300Vac) for worldwide deployment
- NEMA 3R outdoor cabinet with heat exchanger for improved energy efficiency and reduced maintenance costs

The Alpha® CPH-48 is a NEMA 3R outdoor Central Power Hub enclosure providing up to forty-eight (48) $\pm 190\text{VDC}$ line powering channels from an AC utility power source.

The CPH-48 utilizes remote line powering equipment as a method of energizing remote devices using power delivered from a central source over copper cable. The CPH-48 system incorporates Alpha's modular Cordex® HP 1.2kW rectifier shelf and the Cordex® HP LPS36 up-converter system to remotely power network equipment over twisted copper lines.

Applications include powering mini-DSLAM's (sealed DSLAM's), Multi-Dwelling Units (MDU) in Fiber to the Home Networks (FTTH), Distribution Points (FTTdp) as well as outdoor small cells in wireless networks. The CPH-48 is a NEMA 3R outdoor enclosure designed for pole mount installations only.

Remote Line Power (RLP) is a method of energizing a remote device from a central power source over copper cable; eliminating the need for AC utility or battery backup at the remote end. This reduces installation and operating expenses, and provides flexibility related to site selection for the installation of the remote communication equipment.

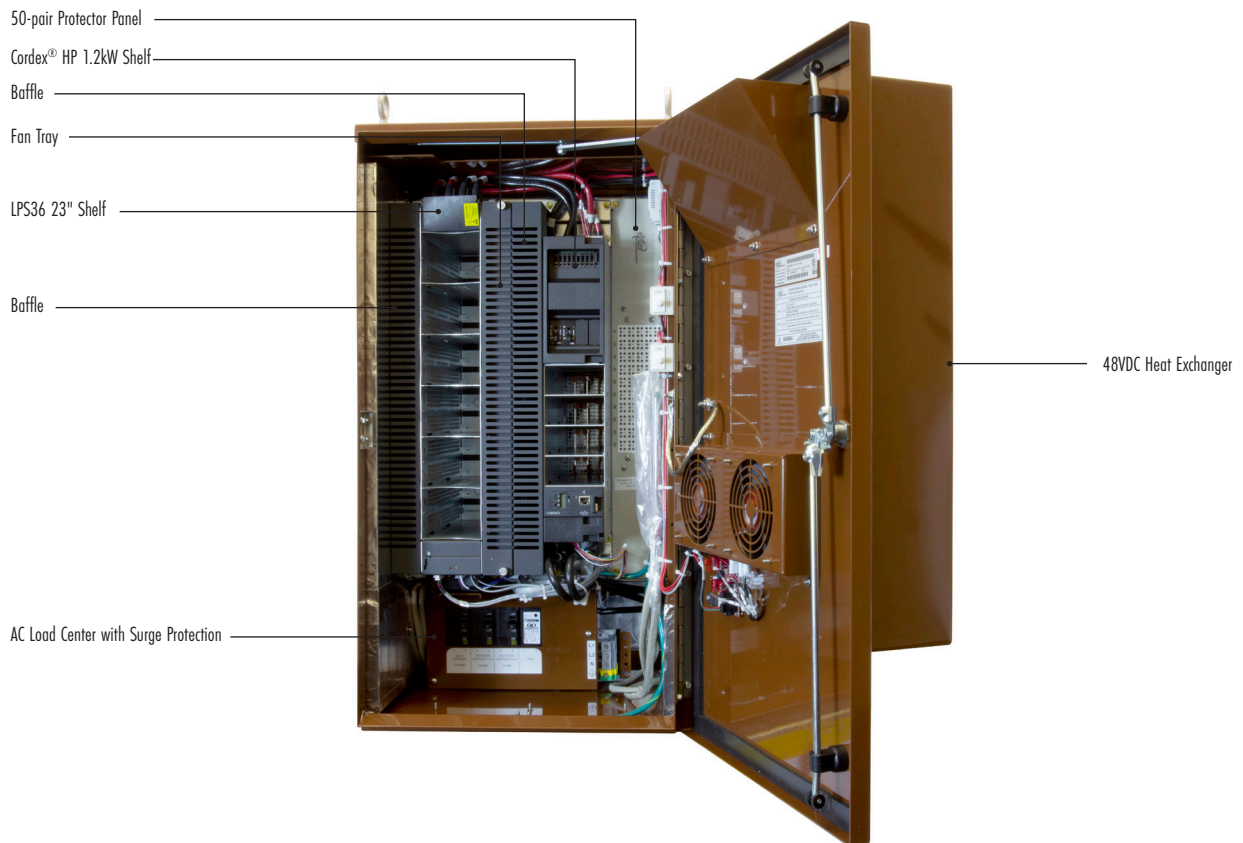
Particular emphasis is placed on recognizing a fault condition and shutting down the circuit as quickly as possible to ensure the highest level of safety. Compliance with GR-1089-CORE – Class A2 enables craftspeople to work on the equipment while powered which significantly reduces administrative overheads and labelling requirements, associated with high voltage wiring. Monitoring and control of the remote equipment is provided through our advanced next-generation Cordex® CXC HP system controller allowing the user to manage all aspects of their energy system.

CPH-48 Central Power Hub

P/N: 0570203-002

Electrical	
Utility Supply:	208-240Vac, 80A, 60Hz, 1-Phase
Output Voltage:	48VDC (CXRF 48-1.2kW rectifier shelf) ±190VDC (LPS36 converter shelf)
Output Power:	<ul style="list-style-type: none"> 4.8kW (4 x 48VDC rectifiers; Alpha #010-619-20) 4.8kW (12 x 48VDC to ±190VDC converters; Alpha #0120011-001)
Mechanical	
Footprint Dimensions:	mm: 838H x 455W x 508D inches: 33H x 17.9W x 20D
Enclosure Dimensions:	mm: 838H x 455W x 658D inches: 33H x 17.9W x 25.9D
Weight:	75.3kg (166lbs) – max
Mounting:	Pole
Cooling:	42W/°C heat exchanger

Environmental	
Temperature:	Operation: -40 to 46°C (-40 to 115°F) plus solar loading Storage: -40 to 85°C (-40 to 185°F)
Humidity:	0 to 95% non-condensing
Elevation:	2000m (6,562ft)
Weather Tightness:	NEMA 3R
Agency Compliance	
Safety:	<ul style="list-style-type: none"> CSA/UL Type 3R CSA/UL 60950-1 Information Technology Equipment CSA/UL 60950-21 Remote Power Feeding



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