Broadband Power Systems



- Configurable to support centralized or distributed powering architectures
- Compatible with AlphaGen[™] systems or multiple battery strings for extended runtime solutions
- Standard or low profile designs
- SUSE or EUSERC rated options available
- Agency certified to meet applicable industry standards
- > High security options

Alpha's Powernode (PN) Series enclosures offer flexibility and modular expandability for Broadband powering applications. The PN Series is designed to power the network's capacity today, as well as support enhanced reliability options when new services are integrated. Supporting centralized or distributed powering architectures, PN Series enclosures accommodate multiple power supplies, battery strings and/or natural gas or propane generators.



PN-3 Configurations



Single PN-3 1 Power Supply 2 Battery Strings



Dual PN-3 2 Power Supplies 4 Battery Strings



PN-3/CE-3X2 2 Power Supplies 1 Battery String AlphaGen™ Generator

The PN-3 enclosure can accommodate a maximum combination of three equipment or battery trays.

Enclosure Specifications

Dimensions (in): (mm): Weight (lb/kg): Power Supply Capacity: Color: Standard Features: Finish: Material: 26W x44H x 24D 660W x 1118H x 610D 115/52 trays not included Up to three power supplies Seafoam Green, optional colors available Removable/Lockable doors Durable powder coat Aluminum

PN-3 High Security Configurations



PN-SC-HS Sidecar 1 Power Supply 1 Battery String



PN-3-HS Battery Cabinet 3 Battery Strings



PN-3/SC-HS Sidecar and Battery Cabinet 1 Power Supply 4 Battery Strings



PN-3/SC-HS High Security Locks

The PN-3/SC-HS system has recessed star bolt security locks to limit unauthorized entry. Stainless steel reinforced door frames. Doors reinforced with welded channel for strength.

Enclosure Specifications

Model:
Dimensions (in):
(mm):
Weight (lb/kg):
Power Supply Capacity:
Color:
Standard Features:
Finish:
Material:

PN-SC-HS 15W x 44H x 24D 381W x 1118H x 610D 51/23.13 One power supply Seafoam Green, optional colors available Removable/Lockable doors Durable powder coat Aluminum

PN-3-HS

26W x 44H x 24D 660W x 1118H x 610D 125/57 trays not included Up to three power supplies Seafoam Green, optional colors available Removable/Lockable doors Durable powder coat Aluminum

PN-4 Configurations



Single PN-4 2 Power Supply 2 Battery Strings



3 Power Supplies 4 Battery Strings

Seafoam Green, (optional colors available)

26W x 52H x 24D 660W x 1320H x 610D

Up to three power supplies

Removable/Lockable doors

Durable powder coat

145/66

Aluminum



PN-4/CE-9X2 2 Power Supplies 3 Battery String AlphaGen™ Generator

The PN-4 enclosure can accommodate a maximum combination of four trays. A maximum of either three power modules or three battery trays can be installed.

Enclosure Specifications

Dimensions (in): (mm): Weight (lb/kg): Power Supply Capacity: Color: Standard Features: Finish: Material:

PN-4 Low Profile Configurations



PN-4L (front view) Power Module Compartment 1 or 2 Power Supplies



PN-4LSC sidecar 1 Power Supply 36V or 48V Battery Strings



PN-4L (rear view) Battery Compartment 36V or 28V Battery Strings



PN-4LSC and PN-4xL 1 Power Supply 36V or 48V Battery Strings AlphaGen 3.5kW or 5kW Generator



PN-4L and PN-4xL 1 or 2 Power Supplies 36V or 48V Battery Strings AlphaGen 3.5kW or 5kW Generator

The Alpha Low Profile Powernode has been designed to provide unlimited backup to cable TV, data and lifeline telephony services. The system combines industry-leading power technology to provide maximum power density, unparalleled system reliability and indefinite runtime, all in a small, low profile package.

Enclosure Specifications

Model:

Dimensions (in): (mm): Weight (lb/kg): Power Supply Capacity: Color:

Standard Features: Finish: Material: PN-4L 36W × 32H × 30D 915W × 813H × 762D 122/55.3 Up to two power supplies Seafoam Green, (optional colors available) Removable/Lockable doors Durable powder coat Aluminum

PN-4L and PN-4xL

72W x 32H x 30D 1830W x 813H x 762D 512/232.2 Up to two power supplies Seafoam Green, (optional colors available) Removable/Lockable doors Durable powder coat Aluminum

PN-4L Sidecar

33.8W x 32H x 19.9D 858W x 812H x 505D 91.5/41.5 One power supply Seafoam Green, (optional colors available) Removable/Lockable doors Durable powder coat Aluminum

PN-6 Configurations



PN-6 3 Power Modules 2 48V Battery strings



PN-6 Optional Battery Drawer 3 Power Modules 4 48V Battery strings



PN-6 and PN-6x AlphaGen 7.5kW Generator 3 Power Modules 2 48V Battery strings Optional Battery Drawer

The PN-6 offers a low profile design that accommodates up to three power modules. An optional Battery Drawer (BD-8) fits under the PN-6 to provide easy access storage for up to eight batteries.

Enclosure Specifications

Dimensions (in):
(mm):
Weight (lb/kg):
Power Supply Capacity
Color:
Standard Features:

52W x 39H x 24D 1321W x 990H x 610D 250/113 Up to three power supplies Standard: seafoam green, powder coat finish, optional colors available All aluminum construction, removable/lockable doors

Note: PN-6 with PN-6x dimensions are (in) 91W x 57H x 24D/(mm) 2311W x 1448H x 610D with BD-8 and generator pedestal PN-6 with PN-6x dimensions are (in) 91W x 39H x 24D/(mm) 2311W x 991H x 610D without BD-8 and generator pedestal

CESC-3x2



The most compact, cost effective "all-in-one" power system. The CESC-3x provides for a single power module, batteries, and generator in a low profile, minimum footprint design.

Enclosure Specifications

Dimensions (in): (mm): Weight (lb/kg): Power Supply Capacity: Color: Standard Features: 41W x 44H x 24D 1041W x 1118H x 610D 428/194.1 One power supply Standard: seafoam green, powder coat finish, optional colors available All aluminum construction, removable/lockable doors

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