

Power

Node Power System (NPS)



- CableUPS® for MDU, node segmentation or plant extensions
- Ideal for installations with space restrictions
- 33% smaller than Alpha's standard PWE-3 system
- Utilizes Alpha's 520 Watt XM2-906 power supply
- Designed for use with AlphaCell 85GXL (or smaller) batteries
- Convenient pole, wall, floor and ground mounting options
- Backwards compatible with existing Status Monitoring Platforms
- Optional AlphaGuard battery balancer and SPI-RF service power inserter

The Node Power System (NPS) is an integrated CableUPS® system for use in Multi Dwelling Units (MDU), business parks, node segmentation, and plant extension applications. The NPS is specifically designed for indoor or outdoor installations requiring lower power, a smaller footprint, and embedded DOCSIS or proprietary status monitoring capability. The NPS can be conveniently mounted in an equipment rack, on a wall, on a pole, or even to a floor/pedestal by using the appropriate installation kit. The NPS is an ideal solution for back-up power where traditional equipment is too large and bulky.

Specifications

| | |
|--|---|
| Dimensions: | |
| (in): | 19W x 22.75H x 14.14D |
| (mm): | 483W x 578H x 359D |
| Material: Powder-coated aluminum. | |
| Vent Screen: | Stainless steel fabric with .005" x .005" (.12mm x .12mm) opening size to minimize snow, water and dust ingress |
| Door and Lid Seal: | Poron gasketing |
| Hardware: | Stainless steel |
| Color: | Gray (Custom colors available) |
| Tamper Switch: | Optional |
| Grounding: | Adjacent to AC outlets (Optional stainless steel ground stud) |
| Safety Ground: | Removable |
| Lid: | Hinged removable |
| Door: | Hinged removable |
| Pole: | Galvanized steel brackets for wood, and concrete pole mount and wall mount |
| Ground: | Precast polymer concrete pad |

Configurations

| Model | Installation | Description |
|--------|--------------|--|
| NPS-R | Indoor | Compatible with EIA 19" and 23" mounting rails |
| NPS-W1 | Indoor | Wall-mounted version |
| NPS-W2 | Outdoor | Wall-mounted version |
| NPS-F | Indoor | Floor-mounted version |
| NPS-G | Outdoor | Ground-mounted version |
| NPS-P | Outdoor | Pole-mounted version |

Estimated runtime

| 60V Load Current (A) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------------------|----|---|-----|---|---|-----|---|-----|
| 60V Runtime (hr) | 16 | 9 | 6.5 | 5 | 4 | 3.5 | 3 | 2.6 |

| 90V Load Current (A) | 1 | 2 | 3 | 4 | 5 | 6 | | |
|----------------------|-------|-----|---|------|---|-----|--|--|
| 90V Runtime (hr) | 10.75 | 6.5 | 5 | 3.75 | 3 | 2.5 | | |

*Note: Battery temperature = 77°F/25°C

Load PF = 0.92

Accuracy = 0.25 hour

Options



Service Power Inserter (SPI-RF) with RF port



AlphaGuard CMT



Cooling Fan

Comparative view of PWE-3 and Node Power System (NPS)



Alpha PWE-3 Enclosure



Alpha Node Power System (NPS)

For contact information visit www.alpha.com

The Alpha Group >

| North America | Europe, Middle East & Africa | | | Asia Pacific | Latin & South America |
|---|--|--|---|--|-----------------------|
| USA Tel: +1 360 647 2360 Fax: +1 360 671 4936 | Cyprus Tel: +357 25 375 675 Fax: +357 52 359 595 | Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21 | Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292 | P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988 | Contact USA office |
| USA Tel: +1 604 430 1476 Fax: +1 604 430 8908 | Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349 | United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870 | | | |