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.
Alpha Node Power System (NPS)

Specifications

Dimensions:
- (in): 19W x 22.75H x 14.14D
- (mm): 483W x 578H x 359D

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: Safety Ground: Adjacent to AC outlets (Optional stainless steel ground stud)
Lid: Removable
Door: Hinged removable
Pole: Galvanized steel brackets for wood, and concrete pole mount and wall mount
Ground: Precast polymer concrete pad

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

Configurations

<table>
<thead>
<tr>
<th>Model</th>
<th>Installation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPS-R</td>
<td>Indoor</td>
<td>Compatible with EIA 19” and 23” mounting rails</td>
</tr>
<tr>
<td>NPS-W1</td>
<td>Indoor</td>
<td>Wall-mounted version</td>
</tr>
<tr>
<td>NPS-W2</td>
<td>Outdoor</td>
<td>Wall-mounted version</td>
</tr>
<tr>
<td>NPS-F</td>
<td>Indoor</td>
<td>Floor-mounted version</td>
</tr>
<tr>
<td>NPS-G</td>
<td>Outdoor</td>
<td>Ground-mounted version</td>
</tr>
<tr>
<td>NPS-P</td>
<td>Outdoor</td>
<td>Pole-mounted version</td>
</tr>
</tbody>
</table>

Estimated runtime

<table>
<thead>
<tr>
<th>Load Current (A)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>60V Runtime (hr)</td>
<td>16</td>
<td>9</td>
<td>6.5</td>
<td>5</td>
<td>4</td>
<td>3.5</td>
<td>3</td>
<td>2.6</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Load Current (A)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>90V Runtime (hr)</td>
<td>10.75</td>
<td>6.5</td>
<td>5</td>
<td>3.75</td>
<td>3</td>
<td>2.5</td>
</tr>
</tbody>
</table>

*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

For contact information visit www.alpha.com