

# Fibernode Power Enclosure

Flexibility and Modular Expandability for Broadband Power Applications



- Designed for collocated power and fiber configurations that demand extended standby time
- Flexible configurations to accommodate multiple fiber deep applications
- Easy access to power supply and batteries from front of enclosure
- 36" width allows for horizontal node mounting
- Access node and fiber management equipment from rear of enclosure
- Thermally optimized for today's fiber nodes
- High security bar options available

**Designed for collocated power and fibernode configurations, the FPE enclosure provides a rugged outdoor solution for multiple outside plant and fiber deep applications.**

With easy front, rear and top access, and a universal node mounting bracket and wire management, the FPE provides a complete system solution for expanding HFC networks.

Options include strand mount bar and universal bracket for optical node, fiber-loop kit, built-in star pattern, fixed and sliding battery trays and fan kit.

General Details	
<b>Dimensions HxWxD (in/mm):</b>	42 x 36 x 32 / 1143 x 914 x 813
<b>Weight (lb/kg):</b>	145 / 66
<b>Color:</b>	Seafoam green (optional colors available)
<b>Standard Features:</b>	Enclosure, removable/lockable doors, module tray
<b>Finish:</b>	Durable powdercoat exterior
<b>Material:</b>	Aluminum

## N+0 Architecture

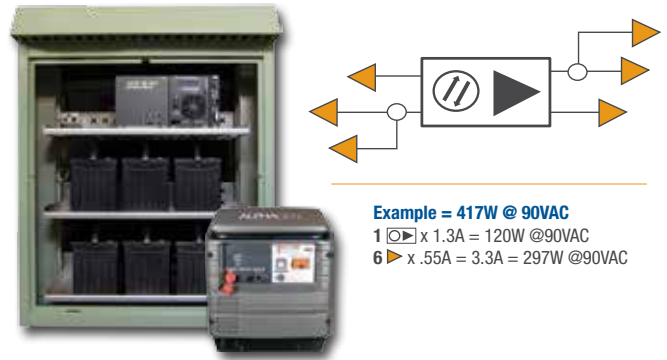


### Alpha XM2-300HP Runtime (Hrs)

Load	1 Battery (4.0HP)	Back-up Pack** (4.0HP)	Maximum Runtime
0.5	28.0	60.1	88.1
1.0	14.0	30.1	44.1
1.3*	10.5	22.7	33.3
1.5	9.1	19.6	28.7
2.0	6.6	14.1	20.8
2.5	5.1	10.9	16.0
3.0	4.2	8.8	13.0

\*120W node or 1.3A @ 90V \*\*Additional runtime back-up pack of 2 AlphaCell 4.0HP batteries

## N+1 Architecture (Approximately 6 Actives)



Example = 417W @ 90VAC

1 x 1.3A = 120W @90VAC

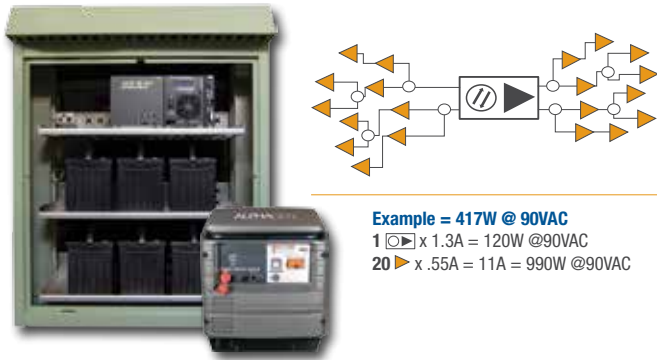
6 x .55A = 3.3A = 297W @90VAC

### Alpha XM2-906HP Runtime (Hrs)

Load	3 Batteries (195GXL / 4.0HP)	6 Batteries (195GXL / 4.0HP)	Generator (DCX3000)	Maximum Runtime**
2	14.1 / 17.3	29.9 / 37.4	20.0	57.4
3	10.1 / 12.4	21.6 / 26.7	19.9	46.6
4	7.7 / 9.5	16.6 / 20.5	19.8	40.3
4.6*	6.7 / 8.3	14.5 / 17.9	19.8	37.7
5	6.2 / 7.7	13.4 / 16.5	19.7	36.2

\*4.6A = 417W @ 90V \*\*Max. Runtime with 4.0HP and DCX3000

## N+2 Architecture (Approximately 20 Actives)



Example = 417W @ 90VAC

1 x 1.3A = 120W @90VAC

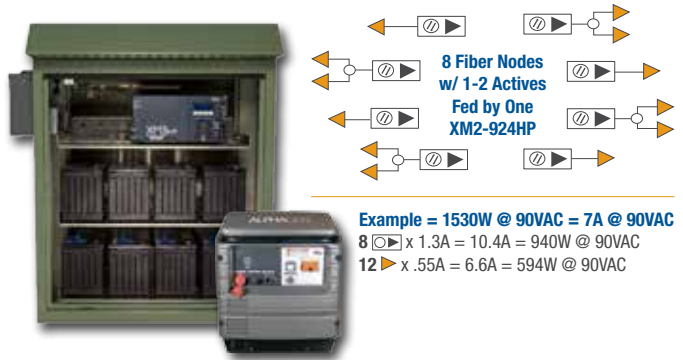
20 x .55A = 11A = 990W @90VAC

### Alpha XM2-918HP Runtime (Hrs)

Load	3 Batteries (195GXL / 4.0HP)	6 Batteries (195GXL / 4.0HP)	Generator (DCX3000)	Maximum Runtime**
6	5.0 / 6.3	10.9 / 13.4	19.5	32.9
8	3.7 / 4.8	8.2 / 10.1	18.5	28.6
10	2.9 / 3.8	6.4 / 8.0	17.0	25.0
12	2.3 / 3.1	5.2 / 6.6	15.0	21.6
12.3*	2.2 / 3.1	5.1 / 6.4	14.8	21.1
14	1.9 / 2.7	4.3 / 5.5	13.5	19.0
16	1.6 / 2.3	3.7 / 4.7	12.0	16.7

\*12.3A = 1110W @ 90V \*\* Max. Runtime with 4.0HP and DCX3000

## 8N+2 Architecture (8 Nodes with 1-2 Actives Each)



8 Fiber Nodes w/ 1-2 Actives Fed by One XM2-924HP

Example = 1530W @ 90VAC = 7A @ 90VAC

8 x 1.3A = 10.4A = 940W @ 90VAC

12 x .55A = 6.6A = 594W @ 90VAC

### Alpha XM3-HP Runtime (Hrs)

Load	4 Batteries (4.0 HP)	8 Batteries (4.0 HP)	Generator (DCX3000)	Maximum Runtime
14	3.6	7.6	13.5	21.1
16	3.1	6.6	12.0	18.6
17*	3.0	6.2	11.5	17.7
18	2.8	5.8	11.0	16.8
20	2.5	5.1	9.5	14.7
22	2.2	4.6	9.0	13.6

\*17A = 1530W @ 90V



### Worldwide Corporate Offices

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