

Fibernode Power System

Featuring complete flexibility and modular expandability for broadband power



 Total Power Solutions



Fibernode Power System



1 Removable and
reversible lid

2 Enclosure

3 Enclosure Door

4 FPE Mounting Ring

5 Removable cover for
easy access to fiber
slack storage

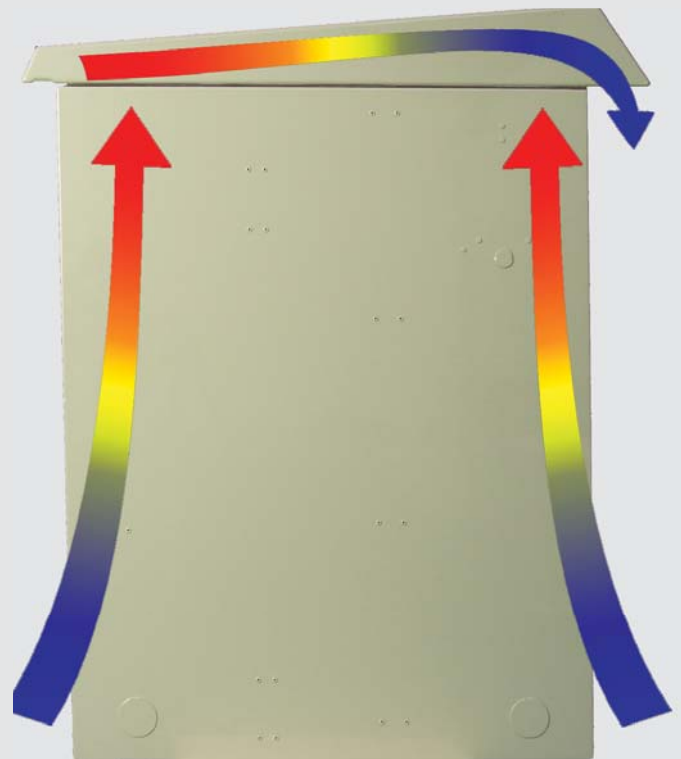
6 Oversized vault for
enclosure mounting
and fiber slack storage

Collocated Power System Solution

- **DESIGNED FOR COLLOCATED POWER AND FIBER CONFIGURATIONS THAT DEMAND EXTENDED STANDBY TIME**
- **EASY ACCESS TO POWER SUPPLY AND BATTERIES FROM FRONT OF ENCLOSURE**
- **ACCESS NODE AND FIBER MANAGEMENT EQUIPMENT FROM REAR OF ENCLOSURE**
- **HIGH SECURITY BAR OPTIONS AVAILABLE**



FPE (rear view)
Cabinet bracket



Thermally optimized with sloped lid
to maximize air flow

Powering The Broadband Evolution

Architecture — N+1 (Approximately 6 Actives)

XM2-906HP, 3 or 6 AlphaCell Batteries and a DCX3000 Portable Generator



Architecture — N+2 (Approximately 20 Actives)

XM2-918HP, 3 or 6 AlphaCell Batteries and a DCX3000 Portable Generator



XM2-906HP Runtime (Hrs)

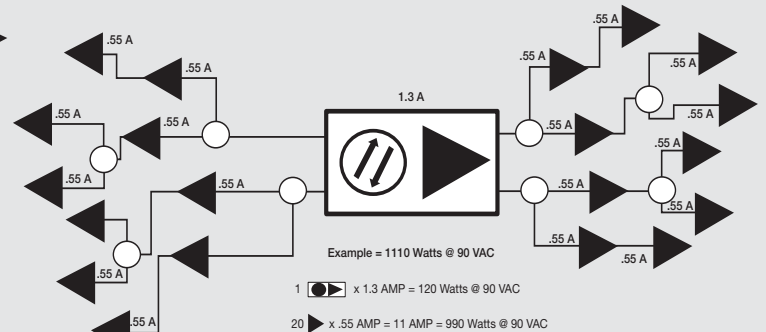
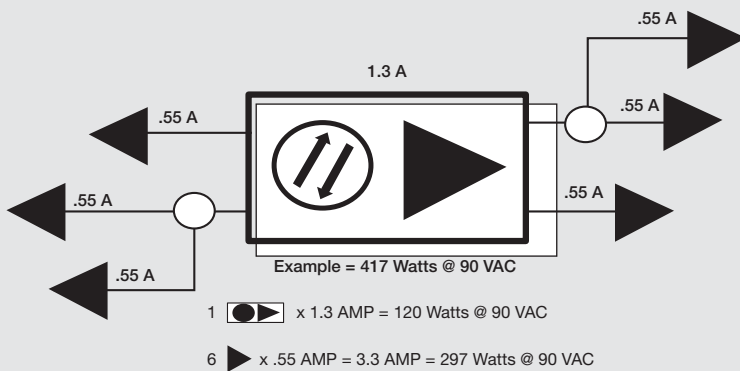
Load	3 Batt		6 Batt		DCX-3000	Max. Runtime**
	195 GXL	4.0HP	195 GXL	4.0HP		
2	14.1	17.3	29.9	37.4	20.0	57.4
3	10.1	12.4	21.6	26.7	19.9	46.6
4	7.7	9.5	16.6	20.5	19.8	40.3
4.6*	6.7	8.3	14.5	17.9	19.8	37.7
5	6.2	7.7	13.4	16.5	19.7	36.2

* 4.6A = 417W @ 90V ** Max. Runtime with 4.0HP and DCX-3000

XM2-918HP Runtime (Hrs)

Load	3 Batt		6 Batt		DCX-3000	Max. Runtime**
	195 GXL	4.0HP	195 GXL	4.0HP		
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 DCX-3000



Fibernode Power System

Architecture — N+0

XM2-300HP, 1 AlphaCell Battery and 2-Battery Back-up Pack



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

XM2-924HP, 4 or 8 AlphaCell Batteries and a DCX3000 Portable Generator



XM2-300HP Runtime (Hrs)

Load	1 Batt 4.0HP	Back-up Pack** 4.0HP	Max. Runtime w/ 4.0HP and B/U Pack
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

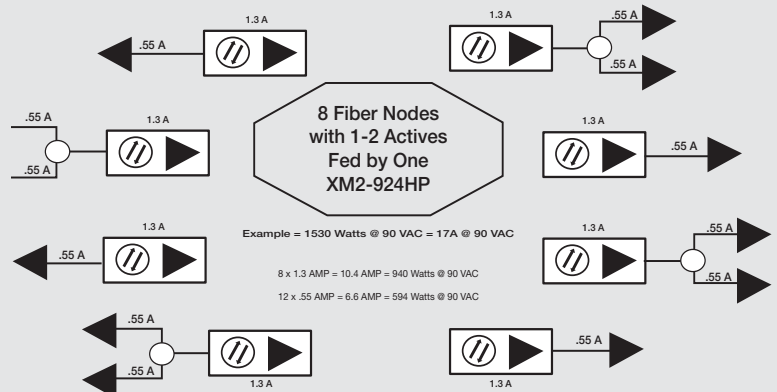
* 120W Node or 1.3A @ 90V

** Additional runtime back-up pack of 2 AlphaCell 4.0HP batteries

XM2-924HP Runtime (Hrs)

Load	4 Batt 4.0HP	8 Batt 4.0HP	DCX-3000	Max. Runtime w/ 4.0HP and DCX
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



FPE Enclosure	
Dimensions (in/mm):	42H x 36W x 32D (1143 x 914 x 813)
Weight (lb/kg):	145 (66)
Color:	Seafoam green, optional colors available
Standard Features:	Enclosure, removable / lockable doors, module tray
Options:	Strand mount bar and universal mounting bracket for optical node, fiber-loop kit, built-in star pattern, fixed and sliding battery trays, fan kit
Finish:	Durable powdercoat exterior
Material:	Aluminum



FPE (front view)
1 Power Supply
36V or 48V Battery strings



FPE (rear view)
Fiber node, Fiber Loop Storage
provisions for additional equipment

Alpha Technologies Inc.
3767 Alpha Way
Bellingham WA 98226
USA
Tel: +1 360 647 2360
Fax: +1 360 671 4936

Alpha Technologies Ltd.
7700 Riverfront Gate
Burnaby BC V5J 5M4
Canada
Tel: +1 604 436 5900
Fax: +1 604 436 1233

Alpha Technologies Europe Ltd.
Twyford House, Thorley
Bishop's Stortford, Hertfordshire
CM22 7PA
United Kingdom
Tel: +44 1279 501110
Fax: +44 1279 659870

Alpha Technologies GmbH
Hansastrasse 8
D 91126 Schwabach
Germany
Tel: +49 9122 79889 0
Fax: +49 9122 79889 21

AlphaTec Ltd.
339 Saint Andrews Street
Suite 101 Andrea Chambers
3307 Limassol
Cyprus
Tel: +357 25 375675
Fax: +357 25 359595

AlphaTEK ooo
Khokhlovskiy Pereulok 16
Stroenie 1 Office 403
109028 Moscow
Russia
Tel: +7 495 916 1854
Fax: +7 495 916 1349

Alpha Technologies
Suite 1903, 19/F., Tower 1
33 Canton Road, Tsim Sha Tsui
China Hong Kong City, Kowloon
Hong Kong
Tel: +852 2736 8663
Fax: +852 2199 7988