

# Power

## Fiber Backhaul Enclosure (FBE)



- Compact, secure enclosure provides 11RU of equipment mounting space
- Wall or H-frame mount options
- CSA/UL, NEMA, GR487\* compliant
- Aluminum welded construction with durable powdercoated exterior
- Modular enclosure system, allows for easy battery expansion
- Demark access door
- Front access for fan and filter maintenance

*\*Contact factory for further information.*

Alpha's new Fiber Backhaul Enclosure is engineered to house optical fiber equipment to support high speed cellular data backhaul. Built with eleven rackmount spaces, the Alpha FBE is able to house fiber and powering gear including an Ethernet switch, power inverters, rectifiers, fiber splice tray, GMT and additional controls. An optional configuration enables the addition of Batteries, DC rectifiers and Service Utility Entrance is available. With Telecom-grade, quarter-turn locks and key-operated Demark access, the FBE offers easy maintenance access and complete security.

# Enclosure Specifications



## Fiber Backhaul Enclosure

Material:	Aluminum
Exterior Finish:	Powder Coated
Exterior hardware:	Stainless Steel
Interior hardware:	Stainless Steel and/or Zinc plated

### Mechanical

Dimensions (maximum)	Fiber Backhaul Enclosure	Fiber Backhaul Enclosure (with Battery Expansion option)
Width (in/mm):	23/584	23/584
Height (in/mm):	24.5/622	41/1041
Depth (in/mm):	21.5/546	19/483
Weight (lbs/kg):	36.3/80	
Enclosure External Mounting:	Wall or H-bracket	
Enclosure Internal Mounting:	Adjustable (front to back) 19" equipment rack. 11RU with maximum equipment depth of 14"	
Door(s)	Front: Hinged, reversible with quarter-turn Telecom-grade locks Demark/craft access - 2RU in height for eight RJ45 connectors with surge protection and two LGX fiber connector panels	
Knockouts	2 x 2", 2 x 1.5", 4 x 0.75"	

### Environmental

Cooling:	Redundant fans; 48Vdc, ball bearing, sealed, >70,000hr MTBF
Solar Insulation	3/8" foil blanket (minimum)
Vent/Bug Screen:	80x80 mesh
Operating Temperature	-40°F to +120°F/-40°C to +49°C
Acoustical	<47dB(A) with cooling equipment/fans operating, door closed

### Safety

Agency Standards	CSA	C22.2 No 60950-01-03
	UL	Std No 60950-01*
	Cabinet	NEMA Type 3R (CSA C22.2 No 94-M91)
Service Entrance (with Battery Expansion configuration)	SUSE rated	
Grounding	Permanent chassis ground for #6AWG wire	

\* "Information Technology Equipment Safety"



Fiber Backhaul Enclosure (FBE)



Fiber Backhaul Enclosure (FBE) configured for Battery Expansion

For contact information visit [www.alpha.com](http://www.alpha.com)

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