

The Optical Broadband Cabinet (OBC) protects sensitive Optical Line Terminals (OLT) deployed in an outdoor broadband environment. The OBC can be used to deliver GPON, EPON, XGS-PON and NG-PON2 and combines optical splits in one enclosure. The OBC lowers the cost of ownership, accelerates deployments, and provides an integrated solution.

OBC is constructed from powder-coated aluminum that is both durable and lightweight. Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control. A grounding bus bar with multiple grounding studs is provided.



Optical Broadband Cabinet

FEATURES

- Supports pre-terminated and field terminated feed and drop fibers
- Front and rear access doors are secured with low-profile, 216-tool quarter turn locks and padlock hasps for additional access control
- Durable and lightweight pad mount enclosure can be quickly installed
- Multiple cable entry locations are positioned at the bottom of the enclosure, allowing flexible placement of feed and distribution cables
- Fiber bend radius controls and routing guides ensure cable management and proper slack storage
- Charles Fiber Splitter Modules (CFSM) are available with optimized pigtail lengths
- Constructed from powder-coated aluminum
- Well suited for centralized split in a Passive Optical Network (PON)

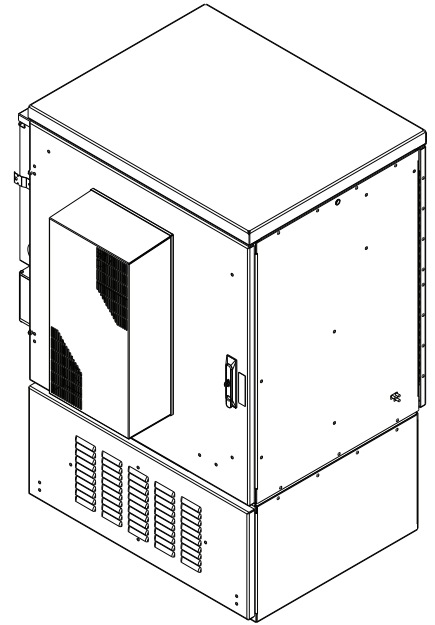
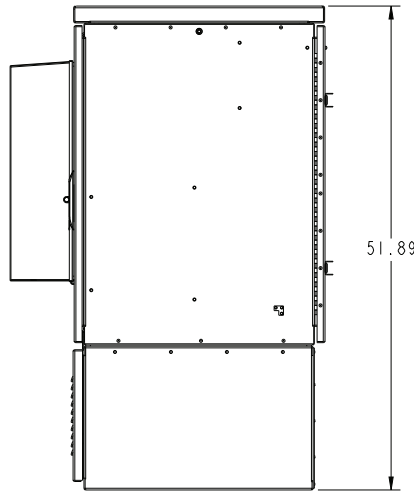
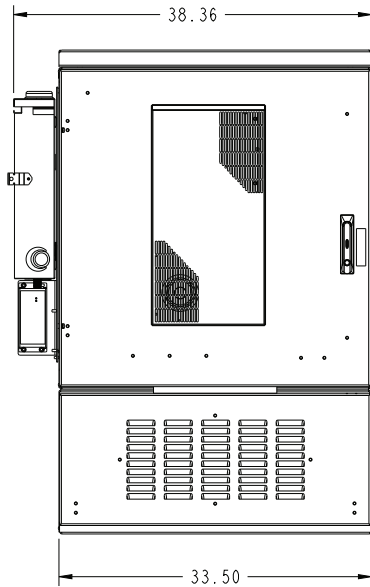
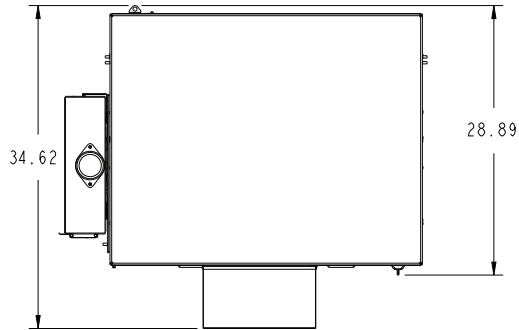
MARKETS SERVED:

- ☒ Telecom / FTTX
- ☒ Utility
- ☐ Wireless
- ☒ Broadband Cable

Optical Broadband Cabinet (OBC)

DIMENSIONAL VIEWS

All dimensions given in inches



Overall Dimensions: 52"H x 38"W x 35"D (with battery compartment)
43"H x 38"W x 35"D (without battery backup and with a 6" plinth)

Weight (empty): 300 lbs.

Adapter Type: SC/APC

Finish: Off-White Powder Coated

Optical Broadband Cabinet (OBC)

CABLE COMPARTMENT



SPLITTER COMPARTMENT



FEATURES

- ✓ 216-Tool Hex-Head Quarter Turn Lock with 3-Point Latch
- ✓ Door Wind Latch
- ✓ Configurable Feed / Pass-Thru Adapters up to 48 ports
- ✓ Configurable Subscriber Distribution Adapters up to 576 ports
- ✓ Cable Attachments
- ✓ Fiber Management Spools
- ✓ 22 slot splitter chassis
- ✓ Thermal management via HEX or HVAC
- ✓ Load Center
- ✓ Rectifier
- ✓ Battery backup
- ✓ Generator receptacle
- ✓ Transient Voltage Suppressor

Optical Broadband Cabinet (OBC)

PART NUMBER CONFIGURATION

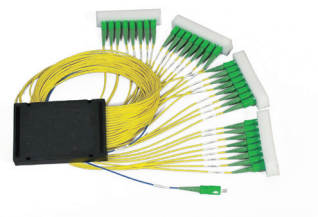
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XX: Consult with a Charles representative to define a configuration

ACCESSORIES

Ordering Number	Description
CFSM-FM2116AA-H	Charles Fiber Splitter Module, Dual 1x16, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail
CFSM-FM1132AA-H	Charles Fiber Splitter Module, 1x32, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail
CFSM-FM1164AA-H	Charles Fiber Splitter Module, 1x64, Pre-Connectorized SC/APC 2mm Yellow Jacketed Output Pigtails, 2mm Blue Jacketed Input Pigtail

Note: See our CFSM datasheet for more options.



Charles 1x32 Passive Splitter Module


- High quality, low insertion loss
- Bend insensitive jacketed fiber
- Right-sized drop length for better management

Charles Industries, LLC

An Amphenol Company

1450 American Lane, 20th Floor, Schaumburg, IL 60173

 mktserv@charlesindustries.com

 (847) 806-6300