FORTRESS ENVIRONMENTAL CABINET
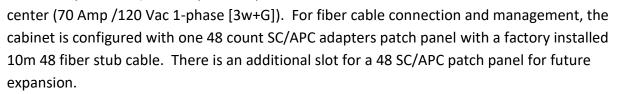## OUTDOOR PONS/GPON CONFIGURATION

The Fortress Environmental GPON Cabinet is a compact, two compartment cabinet that separates the GPON-OLT, fiber management and power supply systems from the batteries.

The cabinet is designed with two access doors. The front door has an integrated 48VDC Heat Exchanger with speed control for thermal management. This door gives access to install and monitor the GPON-OLT equipment and fiber patch panel. The side door allows for rear access cable management and load center controls. The battery compartment is located at the bottom of the cabinet and holds a 48V battery string.

The GPON cabinet is specifically designed for a GPON-OLT mount shelves with 4RU rack of available space. The cabinet is configured with the following: 48 DC power system (two 48/1000W rectifiers with DC output of 53.5V/18.7A, a smart controller and DC distribution in 1RU compact size factory installed) and AC power input load center (70 Amp /120 Vac 1-phase [3w+G]). For fiber cable connection and management, the cabinet is configured with one 48 count SC/APC adapters patch panel with a factory installed 10m 48 fiber stub cable. There is an additional slot for a 48 SC/APC patch panel for future expansion.

Additonally, the cabinet includes a main grounding bar and battery harness. Maintenance is further assisted by internal LED lighting activated by door switch.

For additional information please review the instalation guide document supplied with the cabinet.

Cabinet Dimensions: 38"H x 27"W x 22"D

Mounting options: Vault mount or Pad Mount (pour in place template available).

CONNECT
telecommunications solutions inc.

650 Rupert Street | Unit #6 | Waterloo ON | N2V 2R8
Phone: 519.748.4411 | 1-877-900-7996 | fax: 519.748.0466
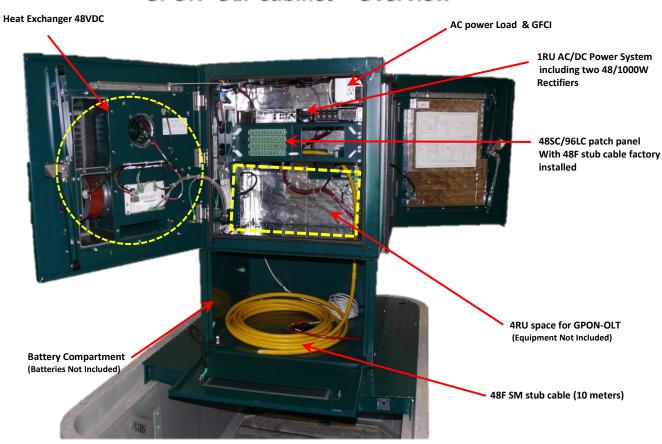customerservice@connect-telcom.com

www.connect-telcom.com

FORTRESS ENVIRONMENTAL CABINET
OUTDOOR PONS/GPON CONFIGURATION

Ordering Information

P/N	Type	Description
CTSD-3550-F-R RCPC 4H4-103L-8C	Cabinet	Fortress Environmental Outdoor Cabinet in GPON-OLT configuration - Includes the following components: Heat exchanger at the front door, 48 DC power system, 48 count SC/APC Patch Panel with attached 10m stub cable, ground bar with 8 double positions, 3 lead battery harness and internal LED lighting. Batteries and GPON equipment are NOT included.
CV366036GNACOJHGP	Compatible Vault	36x60x36 Grey Polymer Concrete vault and Green Split Cut-Out Aluminum Cover with 3ea Stainless Steel Fiber Management J-Hooks, #6 wire patch jumper (pair) with 3/8" ring terminals ends, 6-Post Stainless Steel Ground Block and Galvanized 10"x16" Ground Plate w/8ft #6AWG Copper Conductor FC to 5/8"Ground Peg supplied/installed
		Cabinet can also be configured with LC adapters – call for additional options

GPON–OLT Cabinet - Overview

Heat Exchanger 48VDC

AC power Load & GFCI

1RU AC/DC Power System including two 48/1000W Rectifiers

48SC/96LC patch panel With 48F stub cable factory installed

4RU space for GPON-OLT (Equipment Not Included)

Battery Compartment (Batteries Not Included)

48F SM stub cable (10 meters)

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