



# Gigapower Approved Charles Industries' Product Solutions



**OHC-864**

Double door front and back form factor, pad mount only



**OHC-432**

Representative of 288, 432, and 576 single door front & back form factors, pad or pole mount

## PFP OPTICAL HUB CABINETS

Optical Hub Cabinets (OHC) provide fiber distribution to subscribers from a compact, environmentally protected outdoor terminal. OHC have been designed with flexibility in mind with preterminated feed and distribution fiber cable stubs. These PON terminals have space for multiple splitters for incremental growth. They may be pad or pole mounted and are well suited for Multi-Dwelling Units (MDU) or Single Family Units (SFU) in an Optical Distribution Network.

OHC are constructed from powder-coated aluminum that is both durable and lightweight. Units can be quickly installed by a single technician. 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.

## CHARLES PFP OPTICAL HUB CABINETS

Charles Part #	Description	Mounting Type	Dimensions HxWxD (Without Plinth)	Feed/Pass Thru	Distribution	Plinth Height (in)	Cable Length (ft)	Cable Type
OHC-864-PD-AT3	864 Optical Hub Cabinet (OHC)	Pad Mount	40.2"x46.6"x18.7"	288	864	6	300	Dielectric Ribbon
OHC-432-PD-AT3	432 Optical Hub Cabinet (OHC)		31.25"x26.75"x16.5"	96	432	6	300	
OHC-288-PD-AT3	288 Optical Hub Cabinet (OHC)		28"x23.5"x16"	48	288	6	300	
OHC-864-PD-AT1	864 Optical Hub Cabinet (OHC)		40.2"x46.6"x18.7"	288	864	6	100	
OHC-576-PD-AT1	576 Optical Hub Cabinet (OHC)		41.25"x27.5"x18.5"	96	576	6	100	
OHC-432-PD-AT1	432 Optical Hub Cabinet (OHC)		31.25"x26.75"x16.5"	96	432	6	100	
OHC-288-PD-AT1	288 Optical Hub Cabinet (OHC)		28"x23.5"x16"	48	288	6	100	
OHC-576-PL-AT1	576 Optical Hub Cabinet (OHC)	Pole Mount	35.25"x27.5"x18.5"	96	576	N/A	100	Dielectric Ribbon
OHC-432-PL-AT1	432 Optical Hub Cabinet (OHC)		31.25"x26.75"x16.5"	72	432	N/A	100	
OHC-288-PL-AT1	288 Optical Hub Cabinet (OHC)		31.25"x26.75"x16.5"	48	288	N/A	100	

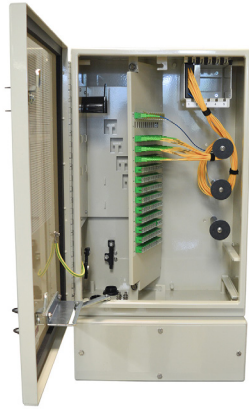
## CHARLES SMALL PFP

Charles Part #	Description	Mounting Type	Dimensions HxWxD	Feed/Pass Thru	Distribution	Plinth Height (in)	Cable Length (ft)	Cable Type
CFIT-FSH96-02	96 Port MDU Hub	Wall/Pole	16" x 22" x 8"	12	96	N/A	100	LT Dielectric
CFITH-144-PD-03	144 Port Hub	Pad	24.5" x 16" x 9"	12	144	6	100	LT Dielectric
CFITH-144-PL-04	144 Port Hub	Pole	24.5" x 16" x 9"	12	144	N/A	100	





**CFIT-FSHg6**



**CFITH-144**



**Splitter Modules (1X32 shown)**

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



**CPAD for PFP OHC or CFITH**

- Lightweight, composite-material mounting pad
- Provides below-grade cable slack and sealed fiber splice case storage



**CFITH-144 on BGE**



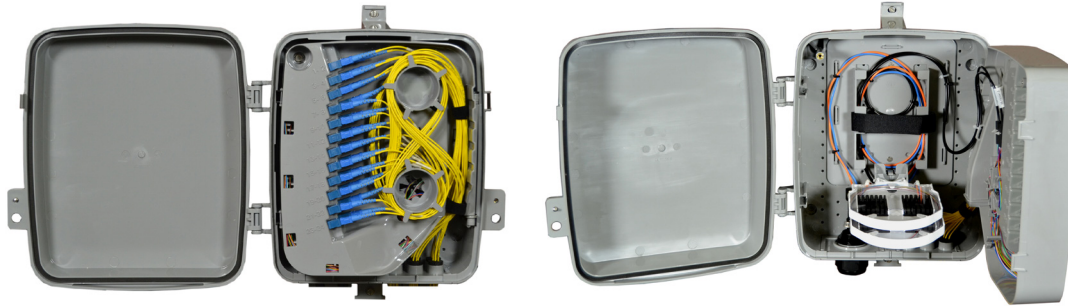
**Bypass Panel**

**CHARLES SPLITTER MODULES**

Charles Part #	Compatibility	Description
SM-2-1-04ATH	OHC, CFITH & CFIT-FSH	Dual 1X4 Splitter Module, 2mm Blue Input & Yellow Outputs
SM-2-1-08ATH		Dual 1X8 Splitter Module, 2mm Blue Input & Yellow Outputs
SM-1-1-16ATH		1X16 Splitter Module, 2mm Blue Input & Yellow Outputs
SM-1-1-32ATH		1X32 Splitter Module, 2mm Blue Input & Yellow Outputs
SM-1-1-64ATH		1X64 Splitter Module, 2mm Blue Input & Yellow Outputs

**PFP ACCESSORIES**

Charles Part #	Description
97-000018-A	Kit, Qty. 20 Splitter End Plate Holder OHC
97-000070-A	24 Port SC/APC Bypass Panel



**CFIT FLEX COMPACT**

### CHARLES FIBER TERMINAL

Charles Part #	Description
CFIT-FC12A1-GP	Flex Compact 12 Ports SC/APC 12 Ribbon Fanout
CFIT-FC24A2-GP	Flex Compact 24 Ports SC/APC 2X12 Ribbon Fanout

### CHARLES CONCRETE PAD TEMPLATES FOR PFP OHC

Charles Part #	OHC Compatibility	Description
97-PAD-288432	288 /432 /576	Poured Pad Template Kit for OHC-288, OHC-432, & OHC-576
97-PAD-864	864	Poured Pad Template Kit for OHC-864

### CHARLES UNIVERSAL COMPOSITE MOUNTING PADS (CPAD) FOR CHARLES PFP

Charles Part #	Compatibility	ANSI Tier Rating	Description
CPAD-BH3048CI43 TPAD-BH3048CI43	OHC-288 /432 /576	Tier 8 Tier 15	53"x53"x36" Composite Pad with 30"x48" cover for Charles PFP OHC-288/432/576 w/ 4 rack rails
CPAD-BH3048CI86 TPAD-BH3048CI86	OHC-864	Tier 8 Tier 15	53"x53"x36" Composite Pad with 30"x48" cover for Charles PFP OHC-864 w/ 4 rack rails
CPAD-BH3048XXX	CFITH-144	Tier 8	Combo CPAD - 53" x 53" x 36"D Composite Pad with 30"x48" Tier 8 Cover no cut-outs
P243624YBGTHXXX  97-TOGBOLT5-A	CFITH-144	Light Duty	24" X 36" X 24" light duty handhole, black base, green split cover w/ cut-out, hex hardware  Hardware (bolts and toggles) for mounting cabinet to vault



**P100010**



**P141912**



**P173018**



**GM-04ATTHHTN**



**GM-04ATTHHTN2BK**



**GM-04ATTHHTN2BI**

### LIGHT DUTY HANDHOLES

Charles Part #	Description
P141912ABTTHTGg	14" W x 19" L x 12" D Light duty HDPE black base with beige overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate
P141912ABGTHTGg	14" W x 19" L x 12" D Light duty HDPE black base with green overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate
P173018ABTTHTGg	17" W x 30" L x 18" D Light duty HDPE black base with beige overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate
P173018ABGTHTGg	17" W x 30" L x 18" D Light duty HDPE black base with green overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate

### REPLACEMENT COVER

Charles Part #	Description
P1419XXC1TXHTGg	Replacement cover, Beige, fits 14" W x 19" L x 12" L Light duty HDPE BGE, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate

### LIGHT DUTY "FLOWER POTS"

Charles Part #	Description
P100010ABTTHTGg	10" Round Light Duty HDPE black base with beige overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate
P100010ABGTHTGg	10" Round Light Duty HDPE black base with green overlapping cover, Hex head bolt, Telephone EMS, "GIGAPOWER" Nameplate

### GROUND BARS

Charles Part #	Description
GM-04ATTHHTN	Tin-plated Copper Ground Bar (1/4" Thick x 1.5" W x 7" L) with 8 positions pre-loaded with 1/4-20 studs, washers, and nuts for two-hole lugs w/ 5/8" hole spacing. (For Handhole application)
GM-04ATTHHTN2BK	Tin-plated Copper Ground Bar (1/4" Thick x 1.5" W x 7" L) with 8 positions pre-loaded with 1/4-20 studs, washers, and nuts for two-hole lugs w/ 5/8" hole spacing. Including qty (2) standoff brackets and qty (4) #10 1/4" dia +3/4" long stainless steel hex head self drilling screws (For Handhole application)
GM-04ATTHHTN2BI	Tin-plated Copper Ground Bar (1/4" Thick x 1.5" W x 7" L) with 8 positions pre-loaded with 1/4-20 studs, washers, and nuts for two-hole lugs w/ 5/8" hole spacing. Including qty (2) standoff brackets and (2) black insulators (For Customer Premise application)



**CFDP210-EL24F/A**



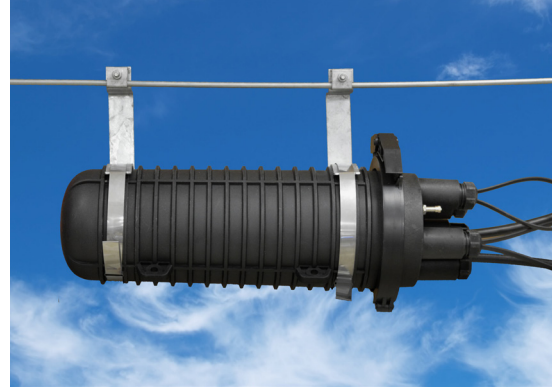
**CMPH-850FN/ATT**



**Riser Pipe**

## PEDESTALS

Charles Part #	Description
CPLM308/ATT	8" dia., square base, magnum backboard, bond bar can Accommodate 4 Port Flex, Multiport and Evolv. 6 Port Flex, Multiport and Evolv. 8 Port Flex, Multiport and 6/8 Evolv Terminals
CPLM308/ATW	8" dia., square base, magnum backboard, bond bar, 30" stake, can Accommodate 4 Port Flex, Multiport and Evolv. 6 Port Flex, Multiport and Evolv. 8 Port Flex, Multiport and 6/8 Evolv Terminals
CPLM308/ATWB	8" Beige Pedestal, square base, Magnum backboard, bond bar, drop channel, 5 D-clip, 2 splice bar, 30 inch stake
CPLU310/ATW	10" dia., square base, S-Bracket, bond bar and 30" stake
BDO205-ETS/ATW	10" fiber pedestal, square base, non-metallic mounting bracket for sealed fiber multi-port terminal block, built-in hinged splice tray holder (splice tray not included - Uses 97-SMHTRAY or 97-FIBR24HTRAY)
CFDP308-EPS/ATW	8" CFDP, fiber serving terminal, stub-out with one 12-fiber splice tray, 30" mounting stake
CFDP308-EPS/ATT	8" CFDP, fiber serving terminal, stub-out with one 12-fiber splice tray
CFDP210-EL12L/A	10" CFDP FTTCs pedestal, universal split base, fiber organizer w/6 LC/UPC duplex bulkhead adapters (12 connections) for PTP, 1 splice tray, 2 inner doors, 1 12-fiber LC/UPC ribbon fan-out, 2 hose clamps, 2 ground braids and 6 D-clips
CFDP210-EL24F/A	10" CFDP FTTCs pedestal, universal split base, fiber organizer w/24 SC/UPC adapter bulkhead for PTP 2 splice trays, 2 inner doors, 2 12-fiber SC/UPC ribbon fan-outs, 2 hose clamps, 2 ground braids and 6 D-clips
CFDP210EVL24F/A	10" CFDP FTTCs pedestal, handhole-mount base with mounting hardware, fiber organizer w/24 SC/UPC adapter bulkhead for PTP, 2 splice trays, 2 inner doors, 2 12-fiber SC/UPC ribbon fan-outs, 2 hose clamps, 2 ground braids and 6 D-clips
CFDP210-EL12A/A	10" CFDP FTTH pedestal, universal split base, fiber organizer w/12 SC (green) bulkhead adapters, 1 splice tray 2 inner doors, 1 12-fiber SC/APC ribbon fan out, 2 hose clamps, 2 ground braids and 6 D-clips
97-BKPLBDO304EG	8" Backplane Kit KIT, BACKPLANE, BDO304-EG
97-BKPLBDO305EG	10" Backplane Kit KIT, BACKPLANE, BDO305-EG
CMPH-7500SN/ATT	Non-Metallic Multi-Purpose Housing, 2-Piece Base, 26.5"x48.5"x14", 2 Ladder Bars, Non-Flame Retardant
CMPH-7510SN/ATT	Non-Metallic Multi-Purpose Housing, 2-Piece Base, 26.5"x48.5"x14", 2 Ladder Bars, Non-Flame Ret., 2 30" stakes
CMPH-850FN/ATT	Non-metallic multi-purpose housing, 37"x56"x23", non-flame retardant, for storing sealed fiber splice closure(D-sized) with fiber slack storage (2-3 40' long, 432-864 fibers each max)
12-119	Riser Pipe 12-119, 7/8" outer diameter, 5' straight with offset and notch, Bulk
12-119-10	Riser Pipe 12-119-10, 7/8" outer diameter, 43" 78 degree L-bend elbow, No offset, 60 pcs
12-119-11	Riser Pipe 12-119-11, 7/8" outer diameter, 5' straight, No offset, Bulk
12-119-12	Riser Pipe 12-119-12, 7/8" outer diameter, 12" straight with offset and notch, 30 pcs
12-119-2	Riser Pipe 12-119-2, 7/8" outer diameter, 5' L-bend elbow with offset and notch, Bulk
14-44	Riser Clamp 14-44 Bulk, Sized for 12-119 7/8" outer diameter risers
14-50	Riser Coupler 14-50, Sized for 12-119 7/8" outer diameter risers




## FIBER OPTIC DOME CLOSURES

Charles Part #	Description
FODCARBG	Fiber Optic Dome Closure, A size configured with (2) ribbon splice trays. 196 ribbon splice capacity/48 single fusion splice capacity. Dual I/O express port for 8 to 18 mm cable and 4 branch ports. Branch port grommet seal kit includes: (4) 14 - 18 mm, (4) 8-14mm, (6) plugs, (2) 4-hole 5-7mm, (2) 2-hole 8x4.5mm flat, Grounding kit with (2) ground wires and (2) shield bond clamp connectors
97-FODCAMKT	Aerial strand mount kit for FODC
FODCC2RB2T	FODC-C/D Dome Closure: Dual feed port up to 26mm/1inch cable, 6 branch ports up to 20.5mm/0.807inch cables. Grommet kit includes 6pc 8-14mm, 6pc 14-18mm, 6pc 16-20.5mm, 2pc 2-hole 8x4.5mm. Grounding kit includes 4pc shield bond clamp connectors, 8 pc ground wires. Configured with 2 deep splice trays with 24 ribbon splice holders (288 mass fusion capacity per tray). 24 ribbon protection sleeves per tray.
97-FODCFLRGR	Grommet kit for FODC. 2-hole 8x4.5mm for flat cable. Kit of 10 pc.
97-FODCC2RBTRY	FODC-C2 deep ribbon tray kit with 24 ribbon splice sleeves.
97-FODCC2SFTRY	FODC-C2, 120 single splice tray kit with 120 single fusion splice sleeves.

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