

# Charles Universal Broadband Enclosures (CUBE) RL216 Series Remote Radio Head / Power Support Cabinets



CUBE-RL216 Series cabinets provide environmental protection for a wide variety of telecom applications, including wireless, fiber transport for cell site backhaul, and other remote outdoor applications where 48 VDC is required. The most common applications for these cabinets are to house power and battery backup for remote radio heads. Commercial AC power is converted to 48 VDC using a third-party rectifier (supports most major manufacturers). The separate battery chamber is designed for up to 100Ah Ni-Cd or VRLA batteries.

## Specifications

Overall Dimensions . . . . .	46"H x 26"W x 20"D (with equipment and battery chamber)
Equipment Chamber . . . . .	31"H x 26"W x 20"D
Rack Space / Width . . . . .	16RU / 19" EIA Standard
Door Lock . . . . .	Padlockable, 216-Style Lock
AC Equipment . . . . .	8 Position Load Center
Battery Chamber . . . . .	15"H x 26"W x 20"D
Capacity . . . . .	Supports 1 String 48V (or two 24V) 100Ah Ni-Cd or VRLA
Bonding & Grounding . . . . .	8 Position, 2-Hole Ground Bar
Cable Entrance . . . . .	(3) 1.75"/2.5" Knockouts on Right-Hand Side, (1) 1.75"/2.5" and (2) 1.375" Knockouts on Bottom
Thermal Management . . . . .	24VDC/48VDC 750 Watt Heat Exchanger
Construction . . . . .	1/8" Welded Aluminum, Off-White Finish
Mounting . . . . .	Wall or H-Frame, Pole Mount Kit optional (97-CABPMTKIT), 10" Plinth optional (97-002176-A)

## ADD-ON BATTERY COMPARTMENT

<u>Charles Part #</u>	<u>Description</u>
CUBE-BB48A1GN1	Add-On Battery Compartment for RL216 Series Cabinets



Charles Part #	Standard Mounting	Overall Dimensions (in.)	RU	Equipment Chamber Dimensions (in.)	Battery Chamber Dimensions (in.)	Load Center	Thermal	Integrated Power	Weight Empty (lbs.)	Weight w/Ni-Cd Battery
CUBE-RL21611DB1	Wall/H-Frame	31x26x20	16	31x26x20	None	8 Position	750W 48VDC HX	None	120	—
CUBE-RL21611DB2	Wall/H-Frame	31x26x20	16	31x26x20	None	8 Position	750W 48VDC HX	GE Infinity D 48V, (2) 50A Rectifiers	165	—
CUBE-RL21621DB1	Wall/H-Frame	46x26x20	16	31x26x20	15x26x20	8 Position	750W 48VDC HX	None	165	367
CUBE-RL21621DB2	Wall/H-Frame	46x26x20	16	31x26x20	15x26x20	8 Position	750W 48VDC HX	GE Infinity D 48V, (2) 50A Rectifiers	180	382

For additional product information, please visit [www.charlesindustries.com](http://www.charlesindustries.com)

OG-OSP031-K16

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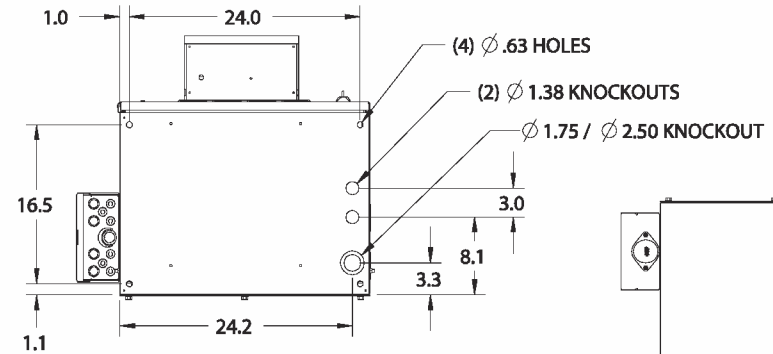
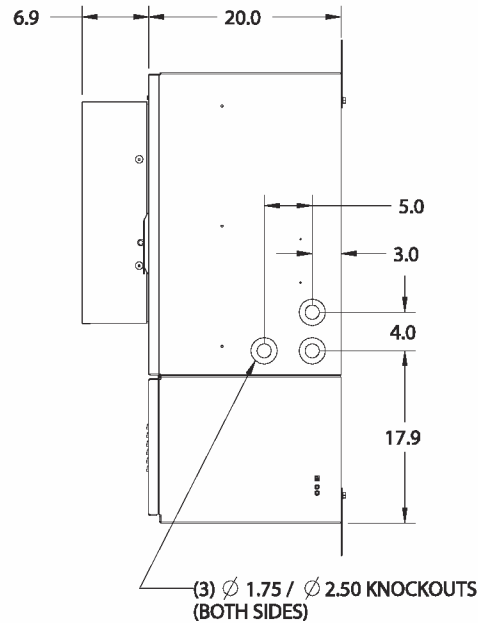
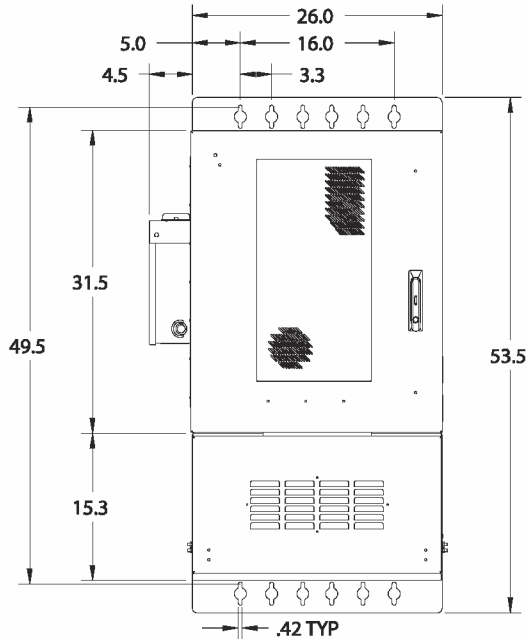
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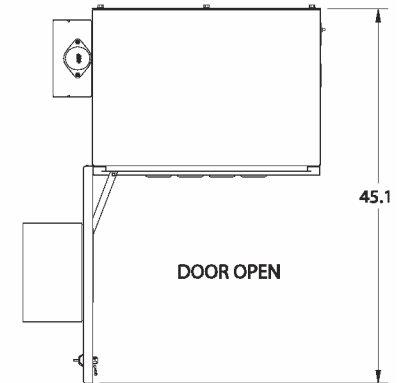
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## Integrated Power Configuration Details for CUBE RL216 Series Models

Charles Part #	Integrated Power System	Rectifier Slots	Rectifiers in Configuration	Circuit Breaker Positions	DC Breakers in Configuration	GMT Positions	AC Input Voltage	Load Center	Main Breaker	AC Load Breakers	# Open Positions
RL21611DB1	None	None	None	None	None	None	220	8 Pos.	60A 2P	None	6
RL21611DB2	GE Infinity D, 200A, 48V CC109151288 - 23"	4	(2) 50A	20	(1) 5A for HX (1) 5A	None	220	8 Pos.	60A 2P	(2) 40A 2P for Rectifiers	2
RL21621DB1	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI	5
RL21621DB2	GE Infinity D, 48V 200A CC109150100 - 19"	4	(2) 50A	10	(1) 5A for HX (1) 5A	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (2) 40A 2P for Rectifiers	1



All units in inches



OG-OSP031-K16