

Charles Universal Broadband Enclosures (CUBE) RL220 Series Remote Radio Head / Power Support Cabinets



CUBE-RL220 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	53"H x 26"W x 20"D (with equipment and battery chamber)
Equipment Chamber	38"H x 26"W x 20"D
Rack Space / Width	20RU / 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	48VDC 750 or 900 Watt Heat Exchanger or 4K BTU HVAC
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

Charles Part #	Description
CUBE-BB48A1GN1	Add-On Battery Compartment for RL220 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-RL22021DB1	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	8 Position	750W 48VDC HX	None	180	382
CUBE-RL22021DB2	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	8 Position	750W 48VDC HX	GE Infinity D 48V, (2) 50A Rectifiers	195	397
CUBE-RL22021FM1	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	12 Position	900W 48VDC HX	None	180	382
CUBE-RL22021JB1	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	8 Position	4K BTU HVAC	None	280	482
CUBE-RL22021JB2	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	8 Position	4K BTU HVAC	GE Infinity D 48V, (2) 50A Rectifiers	295	497

For additional product information, please visit www.charlesindustries.com

OG-OSP032-K16

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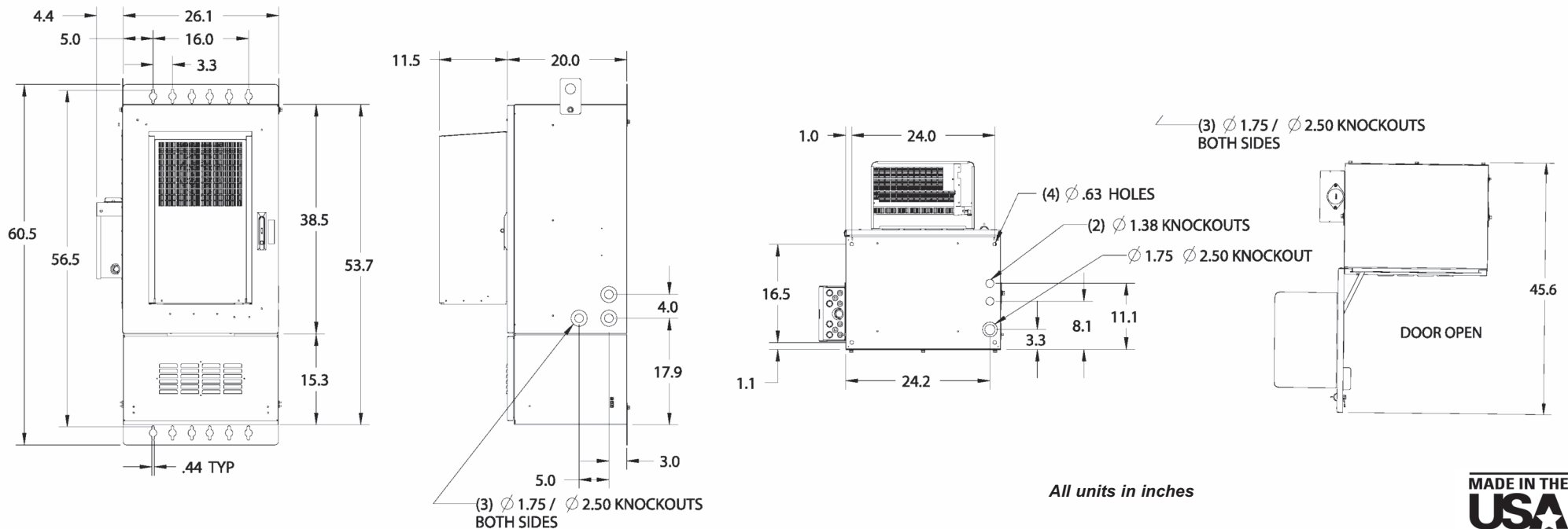
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Integrated Power Configuration Details for CUBE RL220 Series Models

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
RL22021DB1	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI	5
RL22021DB2	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
RL22021FM1	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (1) 2P 50A for Gen	9
RL22021JB1	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 20A for HVAC	4
RL22021JB2	GE Infinity D, 48V 200A CC109150100 - 19"	4	(2) 50A	10	(1) 5A	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 20A for HVAC (2) 40A 2P Rectifiers	0



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