



Charles Universal Broadband Enclosures (CUBE)

RL220 Series Remote Radio Head / Site 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 100Ah Ni-Cd or VRLA
Bonding & Grounding	8 Position, 2-Hole Ground Bar
Cable Entrance.....	(3) Ø2.5" Knockouts on Right-Hand Side, (1) Ø2.5" 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), 97-001971-A H-Frame hardware kit option 10" Plinth optional (97-002176-A)

Add-On Battery Compartment

Charles Part # Description

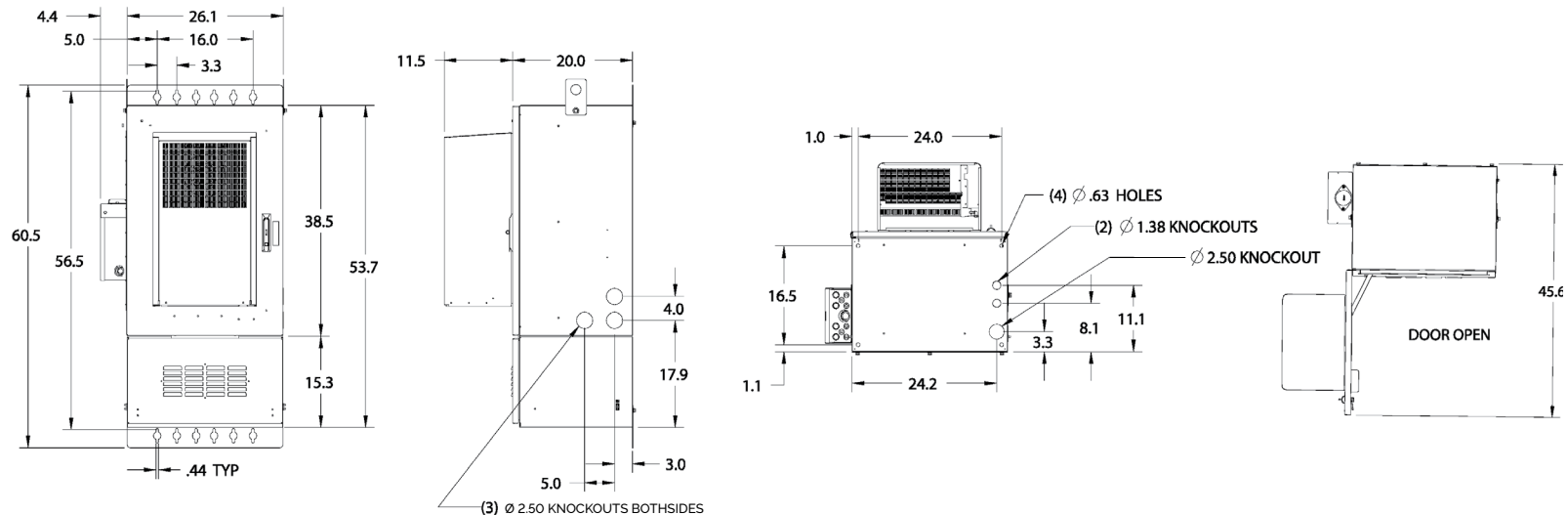
CUBE-BB48A1GN1 Add-On Battery Compartment for RL220 Series Cabinets



Charles Part #	Standard Mounting	Overall Dimensions (in.)	RU	Equipment Chamber Dimensions (in.)	Battery Chamber Dimensions (in.)	Thermal	Weight Empty (lbs.)	Weight w/Ni-Cd Battery
CUBE-RL22021DB2	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	750W 48VDC HX	195	397
CUBE-RL22021FB3	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	900W 48VDC HX	225	427
CUBE-RL22021FB4	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	900W 48VDC HX	300	502
CUBE-RL22021JB1	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	4K BTU HVAC	280	482
CUBE-RL22021JB2	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	4K BTU HVAC	295	497
CUBE-RL22021JB3	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	4K BTU HVAC	315	517
CUBE-RL22021QE2	Wall/H-Frame	53x26x20	20	38x26x20	15x26x20	750W 48VDC HX	190	392

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
CUBE-RL22021DB2	Omnion, 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
CUBE-RL22021FB3	Infinity S Flex 48V	3	None	8	None	12	220	12 Pos..	125A 2P	(1) 15A for GFCI (3) 30A 2P for Rectifiers	5
CUBE-RL22021FB4	Infinity S Flex 48V	3	None	8	None	12	220	20 Pos.	200A 2P	(1) 15A for GFCI (3) 30A 2P for Rectifiers, (1) 30A 2P for Surge, (1) 125A 2P for Generator	8
CUBE-RL22021JB1	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 20A for HVAC	4
CUBE-RL22021JB2	Omnion, 48V 200A CC109150100 - 19"	4	(2) 50A	10	(1) 3A	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 20A for HVAC (2) 40A 2P Rectifiers	0
CUBE-RL22021JB3	ABB BPS 48V	4	(2) 30A	8	(1) 5A for HX (1) 60A Battery	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 15A for HVAC (2) 40A 2P Rectifiers	0
CUBE-RL22021QE2	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (1) 15A for HVAC (1) 30A 2P Generator	3



All units in inches

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