



Charles Universal Broadband Enclosures (CUBE)

RL212 Series Remote Radio Head / Power Support Cabinets

CUBE-RL212 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 39"H x 26"W x 20"D
- Equipment Chamber 24"H x 26"W x 20"D
 - Rack Space / Width 12RU / 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 580 or 750 Watt Heat Exchangers
- 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)

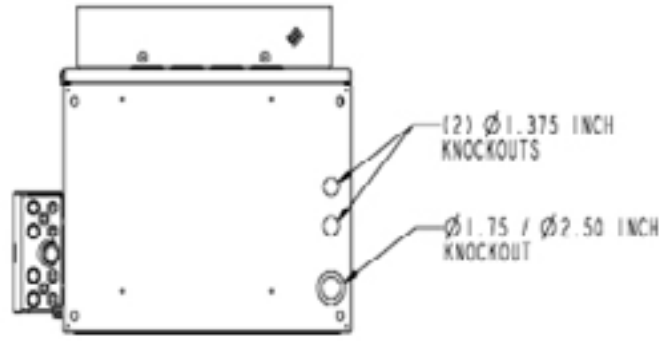
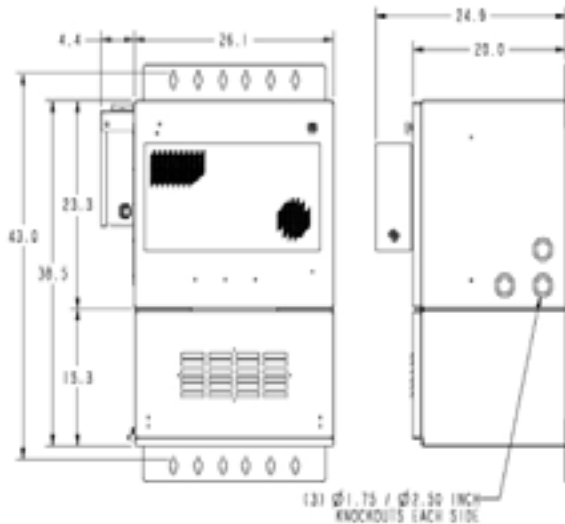


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Charles Part #	Standard Mounting	Overall Dimensions (in.)	RU	Equipment Chamber Dimensions (in.)	Battery Chamber Dimensions (in.)	Load Center	Thermal	Integrated Power	Weight Empty (lbs.)	Weight w/ Ni-Cd Battery
CUBE-RL21221AH1	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	8 Position	580W 48VDC HX	Eltek 48V (2) 40A Rectifiers	165	367
CUBE-RL21221AH5	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	8 Position	580W 48VDC HX	None	150	352
CUBE-RL21221AH8	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	8 Position	580W 48VDC HX	GE Infinity D 48V, No Rectifiers	180	385
CUBE-RL21221AH9	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	8 Position	580W 48VDC HX	Eltek 48V (2) 20A Rectifiers	165	367
CUBE-RL21221DB2	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	8 Position	750W 48VDC HX	GE Infinity D 48V, (2) 50A Rectifiers	165	367
CUBE-RL21221DF1	Wall/H-Frame	39x26x20	12	24x26x20	15x26x20	12 Pros & Gen	750W 48VDC HX	None	150	352

Integrated Power Configuration Details for CUBE RL212 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
RL21221AH1	Eltek Compact, 150A, 48V CI50D-ANN-VCS	3	(2) 40A	4	None	10 Position (1) used for HX	220	8 Pos.	60A 2P	(1) 15A for GFCI (2) 30A 2P for Power system	1
RL21221AH5	None	None	None	None	None	None	220	8 Pos.	60A 2P	(1) 15A for GFCI (2) 30A 2P for Power system	1
CUBE-RL21221AH9	Eltek Compact, 150A, 48V CI50D-ANN-VCS	3	(2) 20A	4	None	10 Position (1) used for HX	220	8 Pos.	60A 2P	(1) 15A for GFCI (2) 30A 2P for Power system	1
RL21221AH8	GE Infinity D, 200A, 48V CC109151288 - 23"	4	None	20	(1) 5A for HX (1) 10A	None	220	8 Pos.	80A 2P	(2) 40A 2P for Rectifiers	2
RL21221DB2	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
CUBE-RL21221DF1	None	None	None	None	None	None	220	12 Pos.	60A 2P	(1) 15A for GFCI (2) 30A 2P for Power system	1



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Load Center Shroud

Add-On Battery Compartment

All units in inches

LOAD CENTER SHROUDS

Charles Part #	Description
97-RL212SHRD-A	AC Load Center Shroud for RL212xxx Cabinets
97-002245-A	AC Load Center Shroud for RL212xxx Cabinets & Plinth
97-002263-A	AC Load Center Shroud for RL212xxx & Extra Battery Compartment

ADD-ON BATTERY COMPARTMENT

Charles Part #	Description
CUBE-BB48A1GN1	Add-On Battery Compartment for RL212xxx Cabinets

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