

Charles Universal Broadband Enclosures (CUBE) CUBE BBU Series Battery Backup Cabinets

CUBE BBU cabinets are ideally suited for cell sites and other outdoor environments when a large amount of battery backup is required. Multiple BBU cabinets can be combined to achieve an even greater amount of battery backup time. BBU cabinets can be installed adjacent to or remotely from other CUBE Macro Cell cabinet solutions (such as CUBE-PM639 Series or CUBE-SS Series models) to form a complete Macro Cell or CRAN Node solution.



Specifications

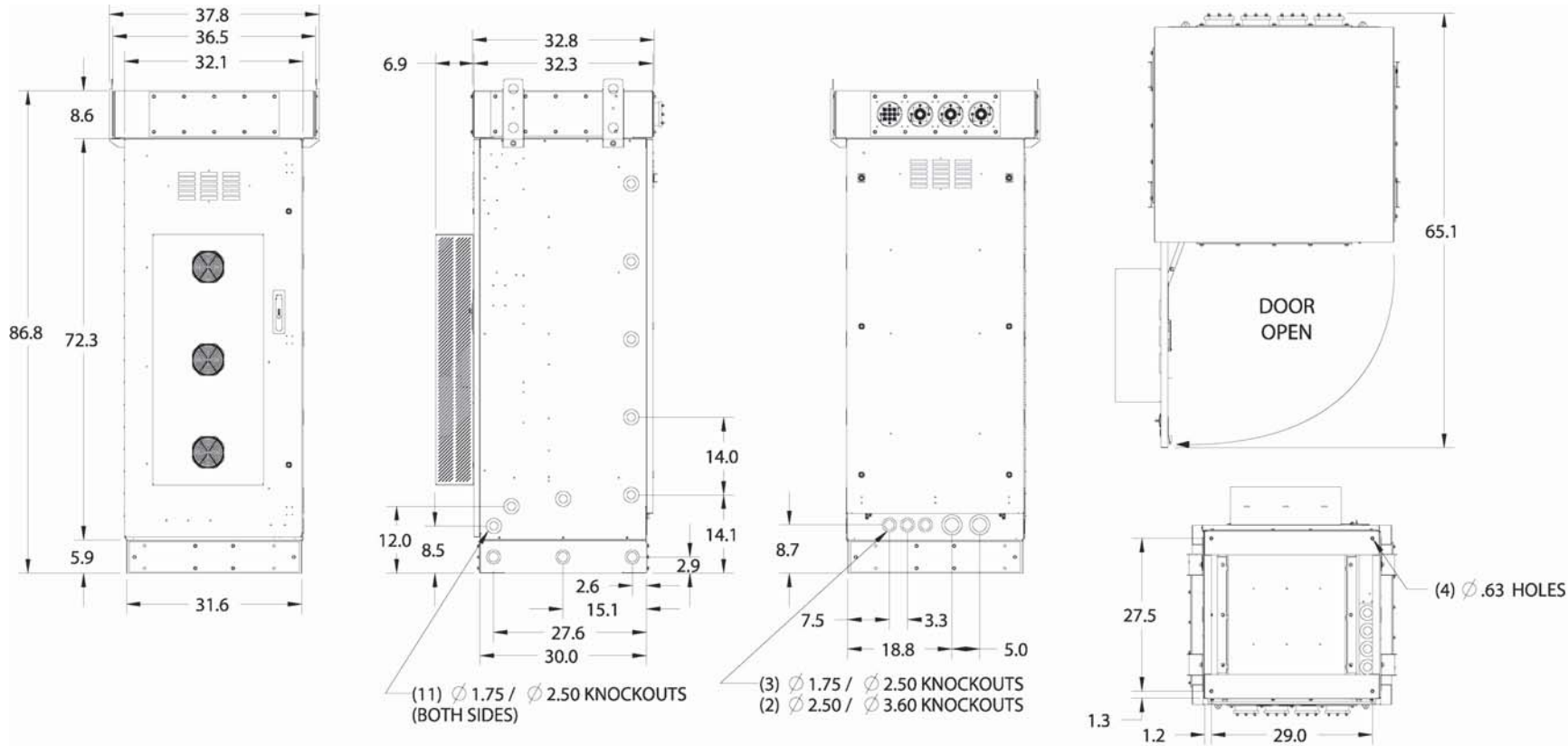
Construction	0.125" Aluminum Welded Construction Outer Enclosure, Powder Coated Off White Finish, 10 Gauge Steel Battery Racks
Mounting Style	Pad Mount Enclosure
Thermal Management	Direct Air Cooling, Solar Shield for Ni-Cd; TEC, Heating/Cooling, Solar Shield for VRLA
Door Latching	3-Point Latching with Pad Lockable Handle in Front, Removable Panel in Rear
Battery Types / Termination	Ni-CD or VRLA, Anderson Disconnects for Each String
Bus Bars	Two (2) 2x14 Position Bus Bars
Battery Breakers	250 Amp Battery Breakers per String on models designated with an (*) in Chart
Cable Entrance	Seven (7) Knockouts for 1.5"/2.0" Conduit on RHS, One (1) Knockout for 1.5"/2.0" Conduit on LHS, Seven (7) Knockouts for 1.5"/2.0" Conduit and Two (2) 2.0" for 3.0" Conduit on Rear
Alarms	Door Intrusion, High Temperature
Certifications	Telcordia GR-487 and UL 50

Supported Battery Types

Manufacturer	Battery Model #	Ah	Manufacturer	Battery Model #	Ah
Northstar	NSB170FT	170	GNB Marathon	M12V180FT	180
Energys	SBS170F	170	Saft	Tel.X 180	180
Energys	SBS190F	190	East Penn Deka	12AVR-150ET	150
C&D	TEL12-170F	170	East Penn Deka	12AVR-170ET	170
C&D	TEL12-190F	190	East Penn Deka	HT200ET	200
C&D	TEL12-210F	210	Fiamm	12UMTX170	170

PART NUMBER	STANDARD MOUNTING	OVERALL DIM. (in.)	THERMAL SYSTEM	BATTERY TRAYS	BATTERY SUPPORT	INDEPENDENT BUSES	WEIGHT EMPTY (lbs.)	WEIGHT w/Ni-Cd BTY
CUBE-BB24F1HN1	Pad Mount	46x32x32	DAC	3	6 Strings Saft Tel.X 180, 24V	1	585	1656
CUBE-BB24J1HN1	Pad Mount	74x32x32	DAC	5	10 Strings Saft Tel.X 180, 24V	1	900	2685
CUBE-BB24J2XV1	Pad Mount	74x32x32	TEC	5	10 Strings VRLA Batteries, 24V	1	1000	2785
CUBE-BB48A1GV1	Pad Mount	15x32x32	DAC	1	1 String Saft Tel.X180, 48V	1	100	450
CUBE-BB48C1HN1	Pad Mount	46x32x32	DAC	3	3 Strings Saft Tel.X 180, 48V	1	585	1656
CUBE-BB48C2XV1	Pad Mount	46x32x32	TEC	3	3 Strings VRLA Batteries, 48V	1	635	1706
CUBE-BB48E1HN1	Pad Mount	74x32x32	DAC	5	5 Strings Saft Tel.X 180, 48V	1	900	2685
CUBE-BB48E2XV1	Pad Mount	74x32x32	TEC	5	5 Strings VRLA Batteries, 48V	1	1000	2785
CUBE-BBDLF2HN1	Pad Mount	46x32x32	DAC	3	Mix of 24V/48V Saft Tel.X 180	3	585	1656
CUBE-BBDLJ2HN1	Pad Mount	74x32x32	DAC	5	Mix of 24V/48V Saft Tel.X 180	3	900	2685
CUBE-BB48E2HNA*	Pad Mount	74x32x32	DAC	5	5 Strings Saft 200 Amp, 48V	1	1000	2785
CUBE-BB48E2XVA*	Pad Mount	74x32x32	TEC	5	5 Strings 200 Amp VRLA, 48V	1	1000	2785
CUBE-BB48E2EV1*	Pad Mount	74x32x32	2000 BTU HVAC	5	5 Strings 200 Amp VRLA, 48V	1	1000	2785
CUBE-BB48E2EV2*	Pad Mount	74x32x32	2000 BTU HVAC, DIN RAIL HTR	5	5 Strings 200 Amp VRLA 48V	1	1000	2785

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CUBE-BB48E2EV1
Front Door Open



CUBE-BB48E2EV1
Back Panel Removed

ACCESSORY ITEMS

PART NUMBER

DESCRIPTION

07-002067-0	216 Tool (7/16" Nut Wrench) for Entering Cabinets
97-002145-A	Temporary Shelf for Saft Ni-Cd Battery Installation
97-002196-A	3 Pair 2/0 Cable and Conduit Kit for SS & BBU Cabinet Lineup
97-002240-A	Thermal Probe Kit for Battery Cabinet, VRLA Configurations, Eltek Power Plants
97-002241-A	Thermal Probe Kit for Battery Cabinet, VRLA Configurations, GE Infinity Power Plants
97-002567-A	(4) 2" Diameter, Rigid Conduit and Connectors, 6" Long
97-002570-A	4/0 Power Cable Kit, 16'
97-002287-A	Ni-Cd to VRLA Retainer Bracket Conversion Kit for Battery Tray

FACTORY INSTALLED OPTIONS

- 96-002162-A
Factory Installed 6" Plinth
- 97-002230-A
8" Top Hat Cable Entry Kit
- 96-000003-A
Retractable Overhang



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