

Charles Universal Broadband Enclosures (CUBE) CUBE SS Series Medium Site Support Cabinets

Charles site support cabinets allow providers to install highly efficient rectifiers and the latest in battery technologies in durable, robust and GR-487 compliant enclosures. With support for VRLA or Ni-Cd batteries, various rectifier and power distribution options, and thermal management options; Charles' site support cabinets protect network integrity with an environmentally friendly, energy efficient solution. Charles can also create custom designs that integrate specific power solutions, call for details.



Specifications

Construction	0.125" Aluminum Welded Construction Outer Enclosure, Powder Coated Off White Finish, 10 Gauge Welded Steel Battery Racks
Mounting Style	Pad Mount Enclosure
Thermal Management	750W Hx for Equipment Compartment, Direct Air or TEC for Battery Compartment (see matrix)
Rack Mounting	23", 7RU
Door Latching	3-Point Latching with Pad Lockable Handle
Battery Types / Termination	Ni-CD or VRLA, Anderson Disconnects for Each String
AC Termination	12 Position Load Center (left-hand side)
Bus Bars	Two (2) 2x14 Position Bus Bars
Cable Entrance	Seven (7) Knockouts for 1.5"/2.0" Conduit on RHS, Seven (7) Knockouts for 1.5"/2.0" Conduit on LHS, Four (4) 1.75/2.5" Double Knockouts on Rear
Alarms	Door Intrusion (2), High Temperature
Certifications	Telcordia GR-487 and UL



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-170ET	170
C&D	TEL12-170F	170	East Penn Deka	12AVR-170ET	170
C&D	TEL12-190F	190	Fiamm	12UMTX170	170
C&D	TEL12-210F	210			

PART NUMBER	STANDARD MOUNTING	OVERALL DIM. (in.)	RU	LOAD CENTER	THERMAL (POWER)	THERMAL (BATTERY)	BATTERY SUPPORT	WEIGHT EMPTY (lbs.)	WEIGHT w/Ni-Cd BTY
CUBE-SS2D207SB1	Pad Mount	46x32x32	7	12 Position	750W 24VDC HX	DAC	4 Strings Saft Tel.X 180, 24V	500	1214
CUBE-SS4B207DB1	Pad Mount	46x32x32	7	12 Position	750W 48VDC HX	DAC	2 Strings Saft Tel.X 180, 48V	500	1214
CUBE-SS4B207DB2	Pad Mount	46x32x32	7	12 Position	750W 48VDC HX	DAC	2 Strings Saft Tel.X 180, 48V	550	1266
CUBE-SS4B207DR2	Pad Mount	46x32x32	7	12 Position	750W 48VDC HX	DAC	2 Strings Saft Tel.X 180, 48V	550	1266
CUBE-SS4B207XB2	Pad Mount	46x32x32	7	12 Position	750W 48VDC HX	TEC	2 Strings VRLA Batteries, 48V	550	1266

OG-OSP053-K16

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Integrated Power Configuration Detail

Charles Part #	Integrated Power System	DC DISTRIBUTION					AC INPUT WIRING				
		Rectifier Slots	Rectifiers in Config.	Circuit Breaker Positions	DC Breakers in Config.	GMT Positions	AC Input Voltage	Load Center	Main Breaker	AC Load Breakers	# Open Positions
SS2D207SB1	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI	11
SS4B207DB1	None	None	None	None	None	None	220	12 Pos.	125A 2P	(1) 15A for GFCI	11
SS4B207DB2	GE Infinity S, 48V/24V, 400A NES4824-23-AC1-PS8-DC1E	8	(4) 50A, 48V	26	(1) 5A for HX (1) 3A for DAC (8) 30A	None	110	12 Pos.	125A 2P	(1) 15A for GFCI (4) 30A 1P for Rectifiers	7
SS4B207DR2	GE Infinity S, 48V/24V, 400A NES4824-23-AC1-PS8-DC1E	8	None	26	(1) 5A for HX (1) 3A for DAC	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (4) 40A 2P for Rectifiers (1) 2P 50A For Gen	1
SS4B207XB2	GE Infinity S, 48V/24V, 400A NES4824-23-AC1-PS8-DC1E	8	(4) 50A, 48V	26	(1) 5A for HX (1) 20A for TEC (8) 30A	None	220	12 Pos.	125A 2P	(1) 15A for GFCI (4) 40A 2P for Rectifiers	3

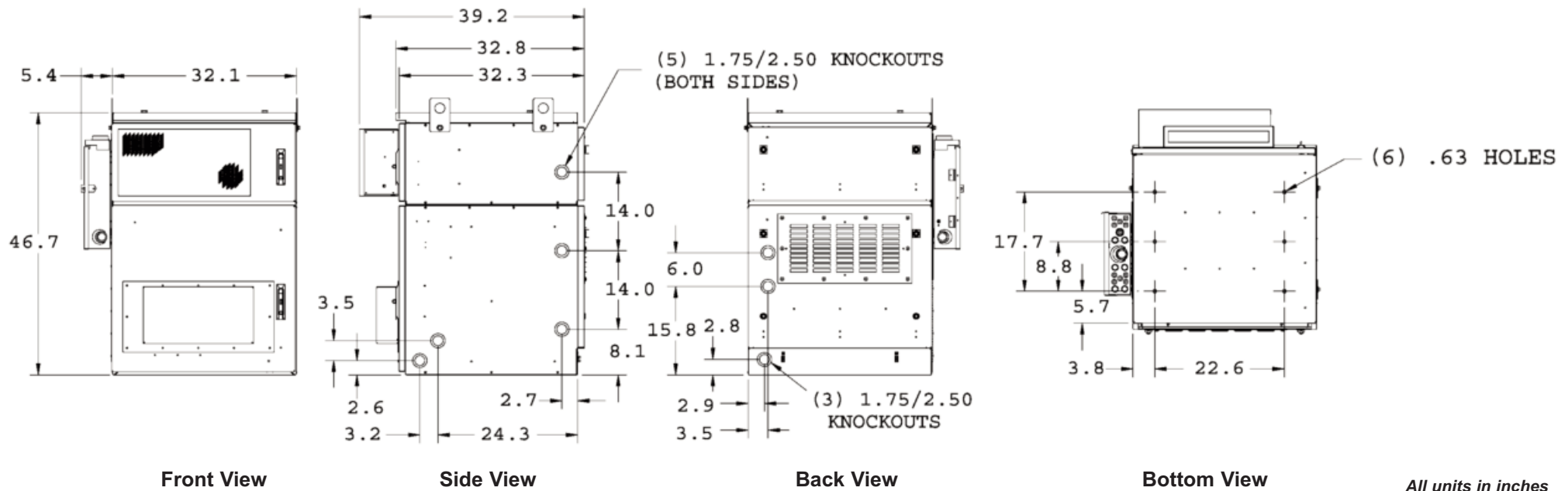
ACCESSORY ITEMS

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
07-002067-0	216 Tool (7/16" Nut Wrench) for Entering Cabinets
97-002145-A	Temporary Shelf for Saft Ni-Cd Battery installation
97-002194-A	Blank cover for load center
97-002196-A	3 Pair 2/0 Cable and Conduit Kit
97-002555-A	4 Pair 2/0 Cable and Conduit Kit
97-SSMDSHRD-A	AC Load Center Shroud for Medium Site Support Cabinets
97-002287-A	Ni-Cd to VRLA Retainer Bracket Conv. Kit for SS/BBU Battery Tray
97-002570-A	4/0 Power Cable Kit, 16'
97-002162-A	Field Installed 6" Plinth
96-002162-A	Factory Installed 6" Plinth



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CUBE SS Series Medium Site Support Cabinets



Front View

Side View

Back View

Bottom View

All units in inches



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