

VERTIV™ XTE EBRE SERIES

Battery Enclosures



KEY FEATURES

- Interfaces with -48 VDC or +24 VDC radio systems and accommodates a variety of battery vendors.
- Number of battery strings allowed: maximum of 15 strings at +24 VDC; maximum of 5 or 7 strings at -48 VDC, depending upon part number selected (7 strings possible with addition of 2 split strings).
- Passive hydrogen release system.
- Independent termination breaker on each battery string eases servicing and maintenance.
- Equipped with a 8500 BTU/hr air conditioning system with integrated heater system in case of operation in cold environments.
- Dual-voltage conversion kit converts (2) 24 V shelves (F2005013) for -48 V use; removes (6) +24 V strings and adds (2) -48 V strings, plus buswork.
- Designed to meet Telcordia's GR-487-CORE requirements.

Along with thermal management and environmental protection, the Vertiv™ XTE EBRE Series delivers ample battery reserve for your wireless cell site in case of power grid failure.

Description

The Vertiv XTE EBRE Series is an extended battery reserve enclosure that provides a stable environment for battery backup in the event of a commercial AC power failure. The system can be configured to provide 2520 amp hours of reserve time in a +24 VDC configuration, or up to 1180 amp hours in a -48 VDC configuration, while maintaining battery temperatures at 25 °C.

Thermal control options are included to help extend battery life and optimize battery performance. Power density is maximized within this condensed footprint, reducing site-leasing costs. The cabinet can be platform, pad or grate-mounted.

This versatile system is designed to grow with reserve time needs and is tailored to meet the local requirements of the region.

Application

The Vertiv XTE EBRE model is a compact outdoor battery cabinet designed for use at wireless cell sites. The system can be configured to provide large battery reserve times in both +24 VDC and -48 VDC configurations, while maintaining battery temperatures at 25 °C.



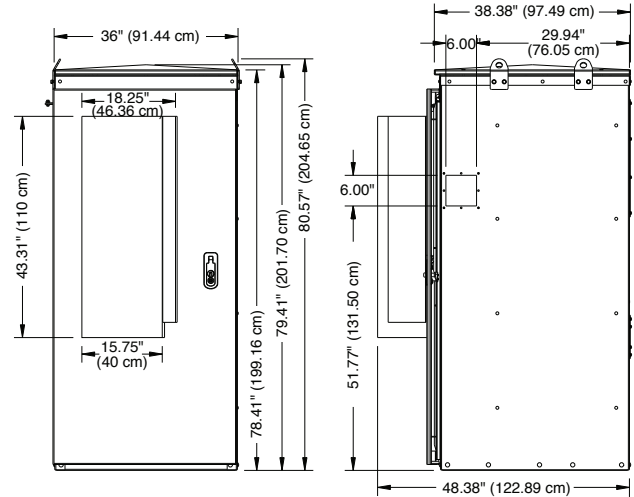
Technical Specifications

PHYSICAL CHARACTERISTICS	
Dimensions (H x W x D)	203 cm x 91 cm x 123 cm (80" x 36" x 48.5")
Maximum DC Power Backup	2520 A/hr @ +24 VDC 840 A/hr (5 strings) @ -48 VDC 1180 A/hr (7 strings) @ -48 VDC
Cooling System	8500 BTU/hr
Approx. Shipping Weight	444.5 kg (980 lbs.)
Approx. Weight Deployed	2268 kg (5000 lbs.)
Maximum Load (8 hours)	7488 Watts
Safety Compliance	UL 50, NEMA 3R Listed
EQUIPMENT	
Environmental Control	Door mounted 8,500 BTU air conditioner
Battery Shelves	(5) shelves that hold up to (6) batteries each
Battery Disconnect Circuit Breakers	100 amp
Alarms	Intrusion, high-temperature, air conditioner fail and circuit breaker
Alarm Block	10-pair
Security	Door locks accessed with 216-type tool

Ordering Information

PART NUMBER	QTY.	DESCRIPTION
F2005013		EBRE +24 VDC battery cabinet, (30) 12 VDC, 155 / 180 AH batteries
Equipped with the following:		
	1	Door mounted 8,500 BTU air conditioner
	1	10-pair alarm block
	5	Battery shelves; (15) +24 VDC battery strings
	15	100 amp circuit breakers
F2005059		EBRE -48 VDC battery cabinet, (20) 12 VDC, 155 / 180 AH batteries
Equipped with the following:		
	1	Door mounted 8,500 BTU air conditioner
	1	10-pair alarm block
	5	Battery shelves; provides ideal weight load distribution for (5) -48 VDC battery strings
	5	100 amp circuit breakers
F2014009		EBRE -48 VDC battery cabinet, (28) 12 VDC, 155 / 180 AH batteries
Equipped with the following:		
	1	Door mounted 8,500 BTU air conditioner
	1	10-pair alarm block
	5	Battery shelves; (7) -48 VDC battery strings (2 strings are split between shelves)
	7	100 amp circuit breakers

Dimensions



Accessories

PART NUMBER	DESCRIPTION
Accessories & Spare Parts	
F1005975	Pad-drill template
F1007860	Split battery bus kit
F1010458	EBRE battery enclosure dual-voltage conversion kit
F1010461	EBRE customer connection cable kit
Supported Batteries	
	150 Ah East Penn/DEKA batteries
	155 Ah Northstar batteries
	155 Ah EnerSys/Hawker batteries
	170 Ah Northstar batteries

NOTE: Batteries are not supplied by Vertiv™.