

VERTIV™ XTE STACKABLE SERIES

Battery Enclosures



KEY FEATURES

- Stackable design enables vertical expansion as battery backup requirements change.
- Both single and dual-stack modules support (4) VRLA front-post batteries, up to 190 Ahr size, in a -48 V string.
- Pre-configured battery cables, bus bars, and battery disconnect breaker included for each battery string.
- Welded aluminum shell and panels with durable TGIC polyester powder paint finish for longer life.
- Heavy-duty internal reinforcement channels and bracing provide strength for Zone 4 resistance.
- Battery heater maintains increased battery capacities in cold temperatures.
- Optional solar shield kit assists in temperature management and seals top of enclosure stack.

The Vertiv XTE Stackable Series provides high-density battery backup capacity in a compact and expandable enclosure.

Description

The Vertiv™ XTE Stackable Series enclosures are designed to address the need for battery backup power in the OSP environment. Each stand-alone battery module can be used to expand the capacity of existing OSP battery plants. With the addition of field-configurable fan-cooling and solar shield kits, the battery modules can also be used to build up new fully-featured battery enclosures, designed to protect batteries from the environment and high temperatures.

The single-stack and dual-stack modules may be stacked up to five modules high, with a total of twenty front-post VRLA batteries. One set of battery bus bars is included with each single-stack or dual-stack module. Bus bars from adjacent modules may be linked together on site to provide a single battery plant output.

This backup energy solution is designed to meet Zone 4 seismic requirements when stacked up to three battery tiers high (twelve VRLA batteries). Optional voltage conversion kits enable the stackable battery enclosure to utilize 24 V battery strings. The conversion kit for the dual-stack module converts only the lower battery tier for 24 V use, leaving the upper tier available for 48 V needs.

Vertiv XTE Stackable enclosures are being evaluated to meet UL 60950 NWIN specification (3R), including field-configuration.

Application

Vertiv XTE Stackable Series enclosures provide mobile network operators and local exchange carriers the capability to easily increase or add battery backup capacity for -48 V applications (optional kits available for 24 V use).



Four-Stack Battery Module



Dual-Stack Battery Module



Single-Stack Battery Module

Technical Specifications

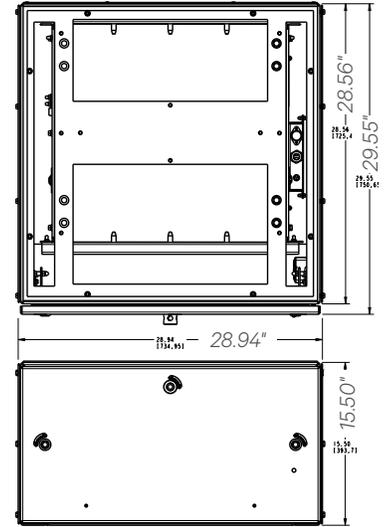
PHYSICAL CHARACTERISTICS		
	Single-Stack Module	Dual-Stack Module
Dimensions (H x W x D)	28.9" W x 29.7" D x 15.5" H	28.9" W x 29.7" D x 31.0" H
Weight	105 lbs. (without pallet)	210 lbs. (without pallet)
	150 lbs. (with pallet)	255 lbs. (with pallet)

ENVIRONMENTAL	
Cooling	Fan Cooling Kit (optional) 172 mm axial fan with filtered intake and integrated thermal controller
Protection	Access panel requires use of 216-tool; each panel accepts use of customer-supplied padlock
Safety Compliance	Being evaluated for listing to UL 60950 NWIN (field-configurable)

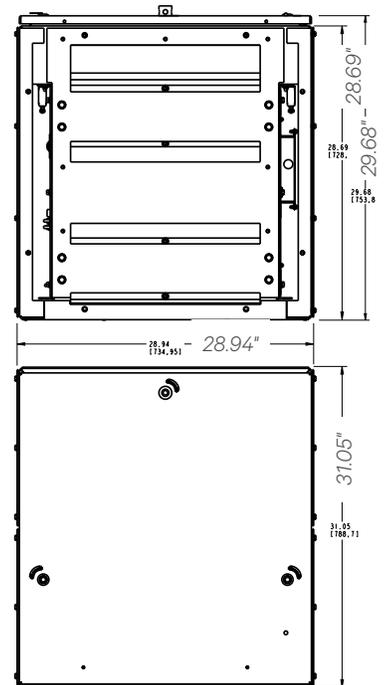
Ordering Information

CATALOG NUMBER	PART NUMBER	DESCRIPTION
48VSTACKBATTMOD	F1010473	-48 VDC single-stack battery module
48VDUALSTACKMOD	F1010471	-48 VDC dual-stack battery module
Accessories		
48VFANKITSTKBATT	F1010526	-48 VDC fan cooling kit for single-stack battery module (F1010473)
48VFANKITDUALSTK	F1010525	-48 VDC fan cooling kit for dual-stack battery module (F1010471)
SSHIELDKITSTKBATT	F1010527	Solar shield kit for single-stack and dual-stack battery modules
24VCONVKITSTKBAT	F1010528	24 V conversion kit for single-stack battery module (F1010473)
24VADDKITDUALSTK	F1010529	24 V add-in kit for dual-stack battery module (F1010471)
EBRECONNBLKIT	F1010461	Customer connection cable kit

Dimensions



Single-Stack Battery Module



Dual-Stack Battery Module