

VERTIV™ XTE 201 SERIES

Small Cell Power and VRLA Battery Enclosures



KEY FEATURES

DC Power System

- Integrated NetSure™ 502 system delivers DC power up to 2325 watts.
- Designed to fully power multiple remote radio units.
- High efficiency 2000 watt NetSure™ rectifiers reduce power consumption.
- Supports Ethernet & SNMP communication interfaces for remote monitoring & control.
- Extremely wide AC voltage range.

Enclosures

- Tamper-proof 3-point lock on door can be padlocked.
- Pole, pad, H-frame or wall mountable.
- Power enclosure – solar shields, available in standard off-white, brown and black, can be mounted to the top and side of the power enclosure to reduce internal temperatures and blend into the surrounding environment better.
- Battery enclosure accommodates (1) 48 V string of 90 Ah VRLA batteries with vent baffles on the door to protect batteries from water and dust and additional ventilation to dissipate heat and prevent outgassing buildup.

Packing substantial DC power output and backup capacity in a compact, maintenance-free design, the Vertiv™ XTE 201 Series fully support your distributed remote radio deployment needs.

Description

Separate side-loading power/equipment and battery enclosures are designed for small cell sites at the network edge. These versatile enclosures can be pole, pad, H-frame or wall mounted.

The power enclosure includes a 19" wide NetSure 502 DC power system, AC and DC surge protection devices, integrated AC distribution and 7-position ground bar. It also accommodates 1.5 RU of 19" customer equipment. Optional 500 watt 24V DC power supply and Ethernet protection.

The battery enclosure holds one 48 V string of 90 Ah VRLA batteries. Vents on the door and back panel prevent buildup of battery outgassing. This enclosure can be mounted separately from the power enclosure; or directly to the power enclosure, either in side-by-side or vertical stack configurations. Joined together side-by-side, the power and battery enclosures measure 26" H x 22" W x 16" D (optional solar shields not included).

Application

The Vertiv XTE 201 Small Cell Power and VRLA Battery Enclosures are outdoor equipment cabinets designed to support remote radio deployments at the network edge. The compact and maintenance-free design is ideal for pole-mount applications.



Battery Enclosure
(shown open and closed)

Power/Equipment Enclosure
(shown open and closed)

Technical Specifications

DC POWER SYSTEM FEATURES	
System Voltage, Nominal	-48 VDC Voltage, Nominal-48 VDC
Control Microprocessor	(NCU)
RATED OUTPUT CAPACITY – MAXIMUM CONFIGURATION	
System ZZ022	208/240 VAC input**: 1610 W (N+1); 2325 W (N+0)
Rectifier	208/240 VAC input**: 41.7 A (2000 W) output
Distribution Panel	(4) load positions available, (5) GMT fuse positions available
ENVIRONMENTAL	
Temperature, Operating	-40°F to 115 °F (-40 °C to 46 °C) continuous operation
Humidity	0 to 95%, non-condensing
EQUIPMENT	
Rack Space	3.5 RU total; 1.5 RU available
Ground Bar	7 positions
Terminal Block	(2) 10-position terminal blocks
SAFETY	
DC Power System	UL 60950, NEBS Level 3
Enclosure	GR-487, UL 2416, and Seismic Zone 4 compliant



Vertiv™ XTE 201 Small Cell Series
Power & Battery Enclosures
Mounted Side-by-Side

Ordering Information

PART NUMBER	DESCRIPTION
Power Enclosure	H x W x D: 65 cm x 51 cm x 25 cm (26" x 8.5" x 16")* 29 kg (64 lbs.) F2015019 Vertiv XTE 201 Power Enclosure (208/240)
F2015019	Vertiv XTE 201 Power Enclosure (208/240 VAC**)
Equipped with the following:	

- (1) 582136700ZZ042 -48 V NetSure 502 DC power system
- (1) 19" integrated shelf assembly, 2 RU
- (1) Distribution unit, (4) load CB, (5) GMT fuses (no LVD)
- (1) NCU controller e/w 562211 configuration file
- (1) Jumper kit with (5) jumpers for 10 A GMT fuse positions, 16 AWG, 12'
- (2) Temperature probe, 3 meters long
- (1) 24-position Form C alarm cable (customer side)
- (2) 10-position alarm blocks
- (1) Strikesorb DC surge protection
- (2) 6 AWG battery cables e/w interlock connector
- (1) Duplex AC convenience outlet
- (1) 7-position ground bar
- (1) AC surge protection
- (1) Din rail mounted AC service and load circuit breakers

* Dimensions do not include optional solar shields

** 120/208 VAC or 120/240 VAC single-phase

PART NUMBER	DESCRIPTION
Battery Enclosure F2014039	H x W x D: 61 cm x 51 cm x 25 cm (26" x 12.5" x 16")* 21.7 kg (48 lbs.) Vertiv XTE 201 Battery Enclosure
Equipped with the following:	

- (1) bracing to restrict movement
- (1) 6 AWG battery cables with mechanical interlock to connect to cable stub in power cabinet

MOUNTING EQUIPMENT	
F1010776	Independent mounting kit
F1010773	Ethernet kit
F1010772	24V DC power kit
F1010797	8" dual mounting plinth
F1010787	10" power cabinet plinth
F1010788	10" battery cabinet plinth

DC POWER ACCESSORIES & SPARE PARTS	
1R482000E	Rectifier, NetSure 502, -48 VDC, 41.7 A/2000 W
1M830BNA	NCU controller Supports bullet nose circuit breakers up to 100 A

SUPPORTED BATTERIES	
N/A	48 V, 90 A VRLA batteries

NOTE: Batteries are not supplied by Vertiv™.

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