

VERTIV™ XTE 201 SERIES

Small Cell Power and Ni-Cd 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 eSure™ rectifiers reduce power consumption.
- Supports Ethernet & SNMP communication interfaces for remote monitoring & control.
- Extremely wide AC voltage range.

Enclosures

- Tamper-proof 1/4 turn latches on door can be padlocked.
- Pole, pad, H-frame or wall mountable.
- Power cabinet – Solar shields can be mounted to the top and side of the power enclosure to reduce internal temperatures.
- Battery cabinet accommodates (1) 48 V string of Ni-Cd 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 deployments.

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 cabinet includes a 19" wide NetSure 502 DC power system, AC and DC surge protection devices, integrated AC distribution (with generator inlet plug), and 7-position ground bar. It also accommodates 1.5 RU of 19" customer equipment. The generator inlet is easy to access from the bottom of enclosure and the alarm block is readily available on the door.

The battery cabinet holds one 48 V string of Ni-Cd 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 25.5" H x 20" W x 20" D (including removable solarshields).

Application

Vertiv XTE 201 Series, Small Cell Power and Ni-Cd 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.



Vertiv XTE 201 Series Small Cell Power and Ni-Cd Battery Enclosures Power/Equipment (left) and Battery (right)

Technical Specifications

DC POWER SYSTEM FEATURES

System Voltage, Nominal	-48 VDC
Control	Microprocessor (ACU+)

RATED OUTPUT CAPACITY – MAXIMUM CONFIGURATION

System ZZ039	120 VAC input: 1210 W (N+1); 1650 W (N+0) 208/240 VAC input**: 1610 W (N+1); 2325 W (N+0)
Rectifier	120 VAC input: 26.3 A (1262 W) output 208/240 VAC input**: 41.7 A (2000 W) output
Distribution Panel	(4) load positions available, (5) GMT fuse positions available

NOTE: Output capacity values were determined through lab testing (46C/full solar) with no customer equipment installed. Addition of customer equipment will likely impact power output values shown.

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

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



Vertiv™ XTE 201 Series with Integrated NetSure 502 System and Batteries (not included)



Vertiv XTE 201 Series Cabinets Closed

Ordering Information

PART NUMBER	DESCRIPTION
Power Enclosure	H x W x D: 65 cm x 51 cm x 25 cm (25.5" x 20" x 10")* 29 kg (64 lbs.)
F2015002	Vertiv XTE 201 Power Enclosure (120 VAC)
F2015018	Vertiv XTE 201 PowerEnclosure (208/240 VAC**)
Equipped with:	(1) 582136700ZZ039 -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) ACU+ controller e/w 550163 configuration file (1) Jumper kit with (5) jumpers vfor 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) Portable generator inlet plug (1) Din rail mounted AC service and load circuit breakers with main-generator interlocking toggle

* Dimensions include removable solar shields

PART NUMBER	DESCRIPTION
Battery Enclosure	H x W x D: 61 cm x 51 cm x 25 cm (24" x 20" x 10") 21.7 kg (48 lbs.)
F1010712	Vertiv XTE 201 Battery Enclosure
Equipped with:	(1) bracing to restrict movement (1) 6 AWG battery cables with mechanical interlock to connect to cable stub in power cabinet
Mounting Equipment	
F1010715	Pole-mount kit
F1010716	Wall-mount kit
F1010717	H-Frame mount kit
F1010760	Pad-mount plinth
DC Power Accessories & Spare Parts	
1R482000E*	Rectifier, NetSure 502, -48 VDC, 41.7 A/2000 W
1M820BNAZZ004	ACU+ controller e/w 550163 configuration file Supports bullet nose circuit breakers up to 100 A
Supported Batteries	
N/A	48 V SAFT battery string, 80-94857-02, 38 cell, TelX 80 Ni-Cd

* At 120 VAC the 1R482000E rectifier delivers 1262 W

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

NOTE: Batteries are not supplied by Vertiv.