

VERTIV™ XTE 601P SERIES

Power and Battery Enclosures



KEY FEATURES

NetSure™ 502 DC Power System

- eSure™ rectifiers provide high energy efficiency.
- Remotely view and control system via Ethernet.
- Advanced remote monitoring with ACU+ controller.

Vertiv XTE 601P Enclosure

- Separate temperature-controlled zones for power and batteries.
- Door-mounted cooling system & rear cable-entry compartment.
- Pull out battery drawers accept VRLA batteries.
- Telcordia GR-487 certified, Seismic Zone-4 rated and UL Listed.



Delivering industry-leading NetSure DC power reliability and multi-string high capacity battery backup, the Vertiv™ XTE 601P fully supports networking equipment at wireless cell sites.

Description

The Vertiv XTE 601P is designed to house DC power equipment, electronics and VRLA batteries in a single cabinet. Two temperature controlled compartments are monitored with an Environmental Control Unit (ECU) that adjusts thermal settings to maintain ideal conditions within each chamber, while simultaneously decreasing system power consumption and noise. All DC power-feed cables to customer equipment are surge protected at the distribution bus. Cabinets are available in both 60" and 72" heights.

Application

The Vertiv XTE 601P is a full featured outdoor equipment cabinet designed for use at wireless cell sites. The enclosure can be configured with several different NetSure DC power systems, depending on your power needs, and includes a separate compartment for large-capacity VRLA batteries.

Technical Specifications

DC POWER SYSTEM FEATURES	
Nominal System Voltage	-48 VDC
Control	Microprocessor (ACU+)

RATED OUTPUT CAPACITY - MAXIMUM CONFIGURATION	
NetSure 502 System (582136800)	ZZ041: 150 A (N+1) ZZ054: 350 A (N+1)
Rectifier	41.7 A (2000 W) output
Distribution Panel for ZZ041	(20) load positions available (4) GMT fuse positions available
As well ZZ054	
Top:	(24) load positions available; (3) battery disconnect positions available, (1) load positions available,
Bottom:	(4) GMT fuse positions available

ENVIRONMENTAL	
Operating Temperature	-40°F to 115 °F (-40 °C to 46 °C) continuous
Humidity	0% to 95% relative humidity, non-condensing

THERMAL SOLUTIONS	
Power Chamber	2500 watt door-mounted heat exchanger
Battery Chamber	Thermoelectric Cooling/Heating (VRLA Batteries)

EQUIPMENT	
Rack Space	See ordering information
Ground Bar	10 positions
Terminal Block	12-position Phoenix alarm block, 32-position Phoenix alarm bunching block

SAFETY	
DC power system	UL 1801 Listed (US & Canada), NEBS Level 3
Enclosure	GR-487, UL 60950, and Seismic Zone 4 compliant

Ordering Information

PART NUMBER	DESCRIPTION
F2013066	Vertiv™ XTE 601P Enclosure, 752 lbs.
Equipped with the following:	
F1010697 Vertiv XTE 601P H x W x D: 183 cm x 81 cm x 99 cm (72" x 32" x 39") 15 RU total equipment space; 3 RU available (1) 582136800ZZ054 NetSure™ 502 DC power system (1) 58213680013 two power shelves, 58 cm (23") w/dist. (1) 1M820BNAZZ006 ACU+ controller (1) 582136800MC NetSure™ 502 (2) row distribution cab. (2) 58213680090 temperature probes, 3 m (9.8') (6) 540946 4.2 m (14') Molex AC input cord (1) 541308 relay output cable, 24 position, shelf (1) 541309 relay output assembly cable, 24 position, cust (1) 423349400 ESD ground assembly (1) AC junction box* 549017 GMT fuse option board, (4) positions available (3) pull-out battery trays; thermoelectric cooling (VRLA batteries) 2500 watt door-mounted heat exchanger 12-pair Phoenix alarm block 32-pair Phoenix alarm bunching block Strikesorb DC surge protection (3) 100 amp DC battery disconnects Duplex AC convenience outlet 10-position ground bar	

F2013084	Vertiv XTE 601P Enclosure, 737 lbs.
Equipped with the following:	
F1010698 Vertiv XTE 601P H x W x D: 183 cm x 81 cm x 99 cm (72" x 32" x 39") 15 RU total equipment space; 9 RU available (1) 582136800ZZ041 NetSure 502 DC power system (1) 58213680013 two power shelves, 58 cm (23") w/dist. (1) 1M820BNAZZ006 ACU+ controller (1) 582136800MC NetSure 502 (2) row distribution cab. (2) 58213680090 temperature probes, 3 m (9.8') (6) 540946 4.2 m (14') Molex AC input cord (1) 541308 relay output cable, 24 position, shelf (1) 541309 relay output assembly cable, 24 position, cust (1) 423349400 ESD ground assembly (1) AC junction box* 549017 GMT fuse option board, (4) positions available (3) pull-out battery trays; thermoelectric cooling (VRLA batteries) 2500 watt door-mounted heat exchanger 12-pair Phoenix alarm block 32-pair Phoenix alarm bunching block Strikesorb DC surge protection (3) 100 amp DC battery disconnects Duplex AC convenience outlet 10-position ground bar	

PART NUMBER	DESCRIPTION
F2013088	Vertiv XTE 601P Enclosure
Equipped with the following:	
F1010699 Vertiv XTE 601P H x W x D: 152 cm x 81 cm x 99 cm (60" x 32" x 39") 15 RU total equipment space; 9 RU available (1) 582136800ZZ041 NetSure 502 DC power system (1) 58213680012 power shelf, 58 cm (23") w/distribution (1) 1M820BNAZZ005 ACU+ controller w/ 552363 Verizon software (1) 582136800AC 58 cm (23") 24 position dist. panel (2) 58213680090 temperature probes, 3 m (9.8') (1) 423349400 ESD ground assembly (1) AC junction box* 545333 GMT fuse option board, (4) positions available (2) pull-out battery trays; thermoelectric cooling (VRLA batteries) 2500 watt door-mounted heat exchanger 12-pair Phoenix alarm block 32-pair Phoenix alarm bunching block Strikesorb DC surge protection (2) 100 amp DC battery disconnects Duplex AC convenience outlet 10-position ground bar	

* Phoenix pass-through terminal blocks accept individual customer fuse-protected AC feeds for cabinet circuits.

Accessories

PART NUMBER	DESCRIPTION
Enclosure Accessories	
F1010599	10 cm (4") mounting plinth
DC Power Accessories & Spare Parts	
1R482000E	Rectifier, NetSure™ 502, -48 VDC, 40 A/2000 W
547490	SM-TEMP, 8-input temperature module
552992	Temperature probe, 10.3 m (33.7')
556155	Temperature probe, 3.3 meters (10.8')
04119122	Temperature probe extension, 10 m (32.8')
552822	Temperature probe sensor, 0.3 m (.98')
1M820BNAZZ005	ACU+ controller for 582136800ZZ041
1M820BNAZZ006	ACU+ controller for 582136800ZZ054
545412	Hardware kit, single position
545405	90 degree adapter, single pole
MA4C5U31	IB2, customer interface board
	Bullet nose type circuit breakers (1 A to 250 A)
Supported Batteries	
N/A	Valve-Regulated Lead-Acid (VRLA) batteries in 170 Ahr – 190 Ahr capacities (consult Vertiv Engineering for specific models)

NOTE: Batteries are not supplied by Vertiv™