

# VERTIV™ XTE 601E SERIES

Equipment Enclosures



## KEY FEATURES

- Accommodates up to two battery boxes, which can be interchanged with adjustable equipment rails.
- Door mounted heat exchanger or air conditioner for thermal management.
- Heat exchanger option requires two Thermal Electric Coolers (TECs) to manage battery temperature.
- AC distribution options vary from splice/junction boxes to externally mounted AC load centers with AC surge protection.
- Rear cable-entry compartment.
- Can be equipped with NetSure™ or 3rd party DC power systems with optional DC surge protection that protects the entire DC output bus.
- Support for 15 kW DC generator input, if required.
- Bottom rear cable entry.
- Telcordia GR-487 certified, Seismic Zone 4 rated, and UL Listed.

Vertiv™ XTE 601E equipment enclosures offer thermal management, battery backup and room for additional network electronic equipment to meet your macro cell site needs.

## Description

Vertiv™ XTE 601E equipment enclosures are designed to house DC power, network electronics and battery backup equipment in a single enclosure.

To provide maximum protection for your equipment investment, 601E enclosures are built and tested to withstand extreme environmental conditions. Electronics and batteries are kept at proper operating temperature by either a door mounted heat exchanger (HX) or an air conditioner, depending on the model. Two Thermal Electric Coolers (TECs) manage battery temperature on the HX version. An environmental controller maximizes cooling effectiveness, while minimizing energy usage and noise.

An optional externally-mounted overvoltage protection (OVP) unit accommodates up to (3) OVP indoor shelves and includes a 20-position DC distribution shelf, sealed hybrid cable entry, fiber storage, and an alarm block. This frees up equipment space in the main enclosure and prevents tower technicians from accessing the batteries and network electronics.

## Application

The Vertiv™ XTE 601E Series is a full featured modular line of outdoor enclosures ideal for use in macro cell site and C-RAN applications.



84" Vertiv™ XTE 601E Enclosure  
Shown with DC Air Conditioner  
and NetSure 5100 DC Power System

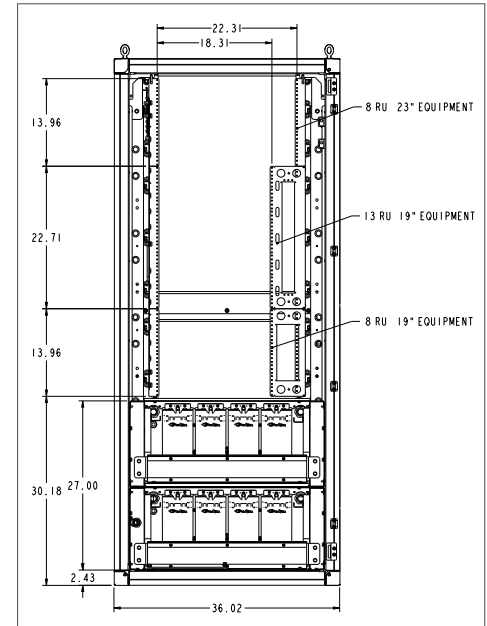


84" Vertiv™ XTE 601E Enclosure  
Shown with 3500 W Heat Exchanger  
and two 300 W Thermoelectric Coolers

## Technical Specifications

ENCLOSURE	
Dimensions (H x W x D)	84" x 32" x 34" (41" D with heat exchanger, 46" D with air conditioner)
Cabinet Access	Environmentally sealed door to access equipment and battery chamber
Color	Cool white
Security	Pad-lockable four-point swing handle locking mechanism accessible via 216-type tool; Master Lock options available
MOUNTING	
Mounting Options	Pad, platform and optional 6" plinth
Racks	Equipped with 19" and 23" steel equipment rails with limited front to rear adjustability
Equipment Space	44 RU total vertical space
THERMAL SOLUTIONS	
Heat Exchanger & TECs	Door mounted heat exchanger, capable of removing 3500 watts nominal (2800 W in application) of heat at 46 °C ambient, 65 °C return (F2017006 only) Two 300 W thermoelectric cooler units for battery heating and cooling (F2017006 only)
Air Conditioner	Door-mounted 10000 BTU/hr DC air conditioner with integrated heater (F2017011 only)
EQUIPMENT CHAMBER	
DC Power	Optional NetSure™ 5100, NetSure 502 or 3rd party DC power system, optional DC surge protection for entire DC output bus
AC Outlet	Ground fault circuit interrupter (GFCI) protected 15 A outlet
Grounding	10-position ground bar
STANDARDS COMPLIANCE	
Safety	Telcordia GR-487 certified, Seismic Zone 4 rated, and UL Listed

## Dimensions



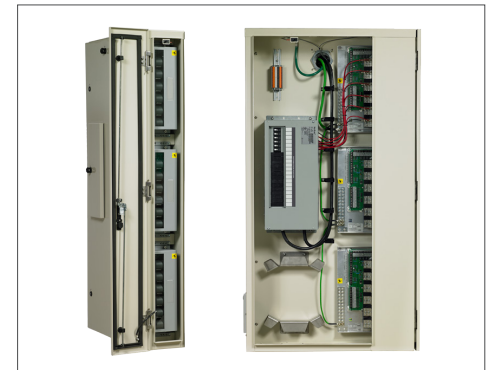
Vertiv™ XTE 601E 84" Equipment Enclosure

## Ordering Information

PART NUMBER	DESCRIPTION
<b>Enclosures</b>	
<b>F2017006</b>	<b>Vertiv™ XTE 601E Equipment Enclosure, 1041 lbs.</b>
<i>Equipped with</i>	3500 watt door-mounted heat exchanger (2) battery boxes with 250A battery disconnect for VRLA batteries (2) 300 W thermoelectric coolers for batteries Environmental control unit for monitoring and control Adjustable 19" and 23" equipment rails 15-position alarm block, 10-position ground bar
<b>F2017011</b>	<b>Vertiv™ XTE 601E Equipment Enclosure, 1033 lbs.</b>
<i>Equipped with</i>	10000 BTU/hr DC air conditioner with integrated heater (2) battery boxes with 250A battery disconnect for VRLA or NiCd batteries Adjustable 19" and 23" equipment rails 15-position alarm block, 10-position ground bar
<b>F1010965*</b>	<b>Overvoltage Protection Unit (Raycap 2260 shelves not included but can be factory installed)</b>
<b>Accessories</b>	
F1010917	Raycap 18 CPRI fiber storage shelf, 4 RU
F1010918	Raycap 2260 overvoltage protection shelf, 3 RU
F1010919	Westell RMX-3240 site management assembly, RMB-1B alarm board, temperature probe
F1011053	Westell RMX-3240 site management assembly, RMB-3B alarm board, temperature probe
F1010920	Asentria SiteBoss550 site management
F1010921	Master Lock door lock assembly
F1010922	Master Lock network controller with program management services
F1010933	Master Lock remote cabinet hookup cable (25')
F1010948	6" plinth with cable entry (Zone 4)
F1010923	15 kW DC generator input kit
F1011055	Overvoltage protection power terminal (hybrid power/alarm cable splice points)

**Note:** Items can be ordered separately or factory-installed in Vertiv enclosures. Factory-installed items must reference custom Vertiv quotation number.

## Overvoltage Protection Unit



Front Open (left), Side Panel Removed (right)

- Cabinet, pole or wall mount options
- Designed for indoor rated OVP shelves
- Supports up to 18 remote radios
- Integrated DC distribution frees up breaker positions in Vertiv™ XTE 601E equipment enclosure
- Acts as lockout/tagout power disconnect for remote radios
- GR-487 approved, UL (pending)