

VERTIV™ XTE SCM SERIES

Small Cell Enclosures



KEY FEATURES

NetSure™ 5100 DC Power System

- Delivers output power up to 4000 watts at 48 VDC.
- High efficiency above 96% with 2000 watt eSure™ rectifiers.
- Remote monitoring & control via Ethernet & SNMP interfaces.
- Extremely wide AC voltage range window.

Vertiv™ XTE Enclosure

- Tamper-proof 3-point lock on doors can be padlocked.
- Pole, pad, H-frame or wall mountable.
- Vent baffles on door protect batteries from water and dust, helping to dissipate heat and prevent outgassing buildup.

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

Description

Designed to support remote radio deployments at the network edge, this maintenance-free power and battery enclosure is extremely versatile. The SCM Series enclosure can be installed vertically or horizontally, and has a field reversible front door. Various mounting options include pad, pole, H-frame and wall.

The power compartment is equipped with a 23" wide NetSure 5100 DC power system, AC and DC surge protection devices, integrated 2 RU service entrance rated load center, a 10-position ground bar, and space to accommodate 1.5 RU of customer equipment.

The battery compartment holds (1) 48 V string of 40 Ah VRLA batteries in the vertical position. The horizontal layout holds (2) strings of 180 amp hour VRLA or Ni-Cd batteries. Vents on the front door and back panel prevent battery outgassing buildup.

Application

Vertiv XTE SCM Series outdoor equipment enclosures are designed to support remote radio deployments at the network edge. The compact and maintenance-free design is ideal for pole-mount applications.



Technical Specifications

DC POWER SYSTEM FEATURES	
System Voltage, Nominal	-48 VDC or +24 VDC
Control	Microprocessor (NCU)
RATED OUTPUT CAPACITY – MAXIMUM CONFIGURATION	
System	208/240 VAC input*: -48 VDC, 4000 W (N+1); +24 VDC, 100 W (N+1)
Rectifier	208/240 VAC input*: 41.7 A (2000 W) output
Converter	100 watts (2 A), -48 VDC to +24 VDC
Distribution Panel	(12) -48V load positions, (6) +24V GMT fuse positions, (2) battery disconnect positions
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	10 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

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

Ordering Information

Step 1. Order up to (4) -48 VDC 2000 watt rectifiers (1R482000E3).

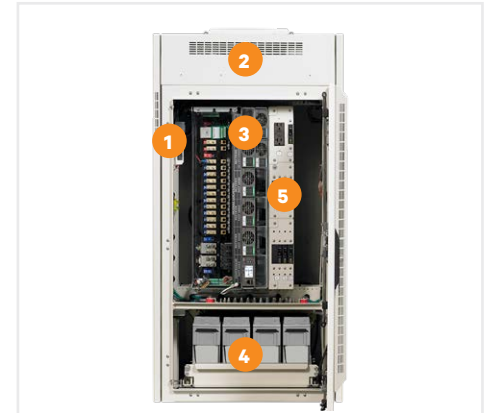
Step 2. Order up to (2) -48 VDC to +24 VDC 1500 watt converters (1C48241500) as required.

Step 3. Order 1-100A load circuit breakers as required.

Step 4. Optional. To convert a vertical enclosure (F2014-000 or F2014-001) to a horizontal enclosure, battery drawer F1010925 is required.

PART NO.	DESCRIPTION
F2014042	Vertiv™ XTE SCM horizontal enclosure, 25" x 44" x 21" (H x W x D)**
F2014000	Vertiv XTE SCM vertical enclosure, 55" x 44" x 26" (H x W x D)**
F2014001	Vertiv XTE SCM vertical enclosure, 44" x 26" x 21" (H x W x D)**
Equipped with:	(1) 582137000ZZ002 -48V NetSure 512 DC power system (1) 23" integrated shelf assembly, 6 RU (1) Distribution unit, (12) 48V load CB, (6) 24V GMT fuses (1) NCU controller e/w 559484 configuration file (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 (2) 6 AWG battery cables e/w interlock connector (1) Duplex AC convenience outlet (1) 10-position ground bar (1) AC surge protection (1) Din rail mounted AC service and load circuit breakers

** Dimensions do not include optional solar shields



1	DC distribution panel
2	Solar shield with active cooling
3	NetSure 5100 DC power system
4	Battery compartment
4	Battery compartment

Accessories

PART NO.	DESCRIPTION
Enclosure Accessories	
F1010642	Battery base, horizontal cabinet
F1010925	Battery drawer kit converts vertical cabinet to horizontal cabinet
F1010638	4" plinth, vertical cabinet
F1010639	10" plinth, vertical cabinet
F1010675	4" plinth, horizontal cabinet
F1010676	10" plinth, horizontal cabinet
F1010647	Pad mounting kit, vertical cabinet
F1010646	Pole mounting kit, vertical cabinet
F1010649	Pad mounting kit, horizontal cab
F1010648	Pole mounting kit, horizontal cab
DC Power Accessories & Spare Parts	
1R482000E3	eSure rectifier, 48 VDC, 41.7 A, 2 kW
1C48241500	eSure converter, 48 to 24 VDC, 62.5 A/1500 W, 4.4 lbs.
1M830 B- NA561293	NCU field retrofit for NetSure 502
	Supports bullet nose circuit breakers up to 100 A
Supported Batteries	
N/A***	40 A and 180 A VRLA
N/A***	180 A Ni-Cd 48 V batteries

*** Batteries not supplied by Vertiv™.