

NETXTEND™ COMPACT SERIES

Cell Site Solution



OVERVIEW

Outdoor Solution With DC Power

The outdoor site solution includes the NetSure™ 211 power system and the NetXtend™ Compact 2416 cabinet. The NetXtend Compact 2416 is a small single sided low-cost outdoor rated aluminum enclosure with a heat exchanger cooling system.

- NEMA 3R design protects equipment from water and dust, while maintaining a cool operating environment
- NetSure rectifiers are designed to operate from -40 °C to +75 °C, providing 400 W output at 65 °C, suitable for harsh environmental conditions
- UL and cUL listing ensures documented performance
- GR-487-CORE Issue 3 design ensures system reliability and durability

Application

The Outdoor Solution With DC Power is ideal for inconspicuous deployment of Alternative Access Vendor (AAV) applications, mobile 2G/3G/4G cellular base stations, DAS nodes, mobile backhaul, remote power solutions, fiber (FTTX) nodes, advanced metering management (AMM) nodes or hybrid controller systems (solar, wind, etc.).



Technical Specifications

ELECTRICAL	
System Voltage	120 VAC single phase (nominal)
Output Voltage	-42 VDC to -58 VDC
System Capacity	19" 1 RU up to 8 A
Rectifier Capacity	0.4 kW @ 120 VAC
DC Distribution	Wallmount GMT fuse panel with (10) fuses, up to 15 A
Controller	SCU+ controller

PHYSICAL CHARACTERISTICS	
Framework Type	NetXtend™ Compact Enclosure
Available Space	Up to 14 RU, 19" W
Dimensions (H x W x D)	Enclosure: 24" x 24" x 16" Battery tray: 22" W x 13" D
Mounting	Wall or H-frame, pole mount (wall-mount kit included)
Weight, Equipped	Enclosure: 64 lb., w/out batteries Four (4) batteries: 36 lb. total
Access	Front

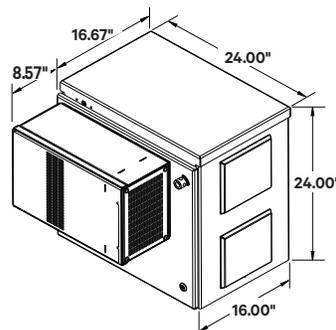
ENVIRONMENTAL	
Climate System	Heat Exchanger
Operating Temp.	-40 °C to +52 °C
Storage Temp.	-40 °C to +75 °C
Relative Humidity	100%
EMI/RFI	Conforms to FCC rules Part 15, Subpart B, Class B and EN55022 Class B, radiated and conducted
Safety Compliance	cULus 60950 Recognized, NEBS Level 3 Compliance Enclosure: cULus Listed GR-487

*See rectifier specification for any derating. Operating and storage temperatures for batteries installed in the battery cabinet are provided by the battery manufacturer.

Ordering Information

VERTIV™ NUMBER	DESCRIPTION	VERTIV NUMBER	DESCRIPTION
F2013074	Outdoor Solution w/DC Power	F2014025	Outdoor Solution w/DC Power
Equipped with the following:		Equipped with the following:	
1 EA	NetXtend Compact with heat exchanger, NXC2416AAV1H05BB3 and slide-out shelf	1 EA	NetXtend Compact with heat exchanger, NXC2416AAV1H05BB3 (no slide-out shelf)
1 EA	NetSure 211 power system	1 EA	NetSure 211 power system
2 EA	500 W rectifiers	2 EA	500 W rectifiers
1 EA	19" rack-mount, slide-out tray	1 EA	AC outlet mounting bracket
1 EA	AC outlet mounting bracket	2 EA	20 A, 120 VAC outlets
2 EA	20 A, 120 VAC outlets	1 EA	Wall-mounting kit
1 EA	Wall-mounting kit		
Accessories			
547681	Battery, EnerSys NP12-12,12 AH bat mod, 4 EA		
524855	Battery, GNB Marathon, M12V30NT, 30 AH bat mod, 4 EA		
140454	Battery, C&D 12-45, 45 AH bat mod, 4 EA		

Dimensions



Indoor Solution With DC Power

The indoor site solution combines a NetSure™ 211 -48 VDC power system with reliable rectifiers, an advanced Ethernet-accessible controller, flexible distribution and high power density. An enclosed battery cabinet is included that can be mounted on the wall or in a relay rack. A 40 A battery disconnect is included with the battery cabinet and can be connected in parallel with other cabinets to provide additional backup time.

- Supports Ethernet and SNMP communication interfaces, enabling remote control and monitoring
- NetSure rectifiers are designed to operate from -40 °C to +75 °C, providing 500 W output at 45 °C, suitable for harsh environmental conditions
- Extremely wide AC voltage range window, 85 VAC to 300 VAC

Application

The Indoor Solution With DC Power is designed for deployment in wireless sites, central office, POP sites, co-location sites, customer premises, outdoor cabinets, CEVs, vaults or portable shelters. Specific applications include: Alternative Access Vendor (AAV), wireless backhaul and other site solutions such as, DAS, DLC, xDSL, DSLAM, FTTx electronics, broadband communications, multiplexers, LTE, WiMAX, microwave and PBX.



Indoor Solution
(shown without cover)

Technical Specifications

ELECTRICAL	
System Voltage	120 VAC single phase (nominal)
Output Voltage	-42 VDC to -58 VDC
System Capacity	19" 1 RU up to 10 A
Rectifier Capacity	0.5 kW @ 120 VAC
DC Distribution	Wallmount GMT fuse panel with (10) fuses, up to 15 A
Controller	SCU+ controller

PHYSICAL CHARACTERISTICS	
Framework Type	Relay rack
Available Space	1 RU 19" W
Dimensions (H x W x D)	DC power system: 1.7" x 19" x 12" Solution: 10.5" x 19" x 15.6"
Mounting	Rack or wall mount
Weight, Equipped	System: 35.5 lb., w/out batteries Four (4) batteries: 36 lb. total
Access	Front for batteries, control and distribution, rear for AC

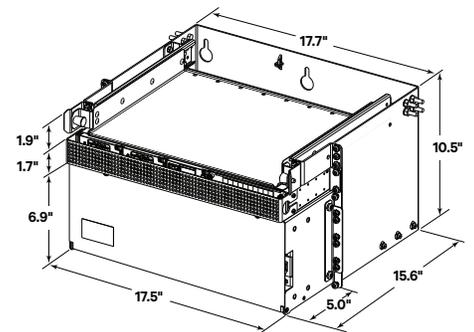
ENVIRONMENTAL	
Climate System	Fan-cooled front to rear
Operating Temp.	-40 °C to +75 °C*
Storage Temp.	-40 °C to +75 °C
Relative Humidity	0% to 95% non-condensing
EMI/RFI	Conforms to FCC rules Part 15, Subpart B, Class B and EN55022 Class B, radiated and conducted
Safety Compliance	cULus 60950 recognized NEBS Level 3 Compliance

*See rectifier specification for any derating. Operating and storage temperatures for batteries installed in the battery cabinet are provided by the battery manufacturer.

Ordering Information

VERTIV™ PART NUMBER	DESCRIPTION
582136600SK010	Indoor Solution w/DC Power
Equipped with the following:	
1 EA	NetSure™ 211 power system
2 EA	500 W rectifiers
1 EA	19" rack-mount, slide-out tray
1 EA	Battery cabinet
1 EA	Wall mount bracket
Accessories	
547681	Battery, EnerSys NP12-12, 12 AH bat mod, 4 EA

Dimensions



Outdoor Solution without DC Power

The outdoor site solution (without DC power) is a small single sided low-cost outdoor rated aluminum enclosure with a heat exchanger cooling system, equipment rack and fused terminal blocks.

- NEMA 3R design protects equipment from water and dust, while maintaining a cool operating environment
- UL and cUL listing ensures documented performance
- GR-487-CORE Issue 3 design ensures system reliability and durability
- Aluminum construction provides superior protection for panels, cables and splices, offering a long, corrosion resistant, problem-free service life

NetXtend™ Compact enclosures are ideal for inconspicuous deployment of Alternative Access Vendor (AAV) applications, mobile 2G/3G/4G cellular base stations, DAS nodes, mobile backhaul, remote power solutions, fiber (FTTx) nodes, advanced metering management (AMM) nodes or hybrid controller systems (solar, wind, etc.).



Technical Specifications

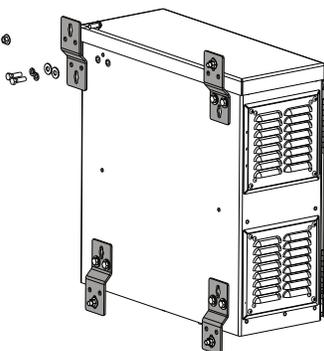
PHYSICAL CHARACTERISTICS	
Framework Type	NetXtend Compact Enclosure
Available Space	Up to 13 RU, 19" W
Dimensions	Enclosure: 24" H x 24" W x 16" D
Mounting	Wall/H-frame or pole mount
Weight	64 lb.
Access	Front
ENVIRONMENTAL	
Climate System	500 W heat exchanger
Operating Temp.	-40 °C to +52 °C
Storage Temp.	-40 °C to +75 °C
Relative Humidity	100%
EMI/RFI	Conforms to FCC rules Part 15, Subpart B, Class B and EN55022 Class B, radiated and conducted
Safety Compliance	UL Listed, cUL, GR-487

Ordering Information

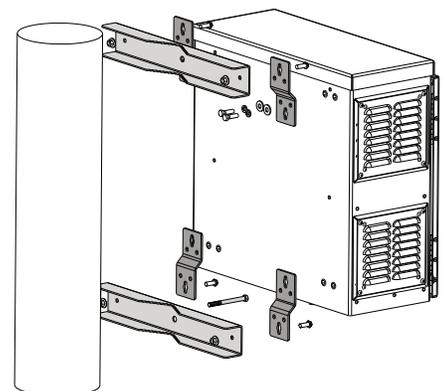
VERTIV™ PART NUMBER	DESCRIPTION
F2014020	NetXtend Compact – Base Cabinet
equipped with:	(1) NetXtend Compact 2416 cabinet with heat exchanger (1) 19" equipment rack system (13 RU) (2) Fuse modular terminal blocks
F2014015	NetXtend Compact – Base Cabinet with Wall Mount Kit
equipped with:	(1) NetXtend Compact 2416 cabinet with heat exchanger (1) 19" equipment rack system (13 RU) (2) Fuse modular terminal blocks (1) Wall mount kit
F2014016	NetXtend™ Compact – Base Cabinet with Pole Mount Kit
equipped with:	(1) NetXtend Compact 2416 cabinet with heat exchanger (1) 19" equipment rack system (13 RU) (2) Fuse modular terminal blocks (1) Pole mount kit
Accessories	
F1010408	(1) Wall mount kit
F1010409	(1) Pole mount kit

Diagrams

Wall Mounting



Pole Mounting



Spare Parts

Outdoor Solution With DC Power

VERTIV™ PART NUMBER	DESCRIPTION
1M521BNAZZ007	SCU+ controller with software
1R48500	NetSure™ rectifier, 500 W, -48 VDC
147293	Fan, 120 mm diameter

Indoor Solution With DC Power

VERTIV PART NUMBER	DESCRIPTION
1M521BNAZZ007	SCU+ controller with software
1R48500	NetSure rectifier, 500 W, -48 VDC

Outdoor Solution Without DC Power

VERTIV PART NUMBER	DESCRIPTION
147293	Fan, 120 mm diameter

Contact your local sales representative with questions or call 1-800-800-1280 for support.