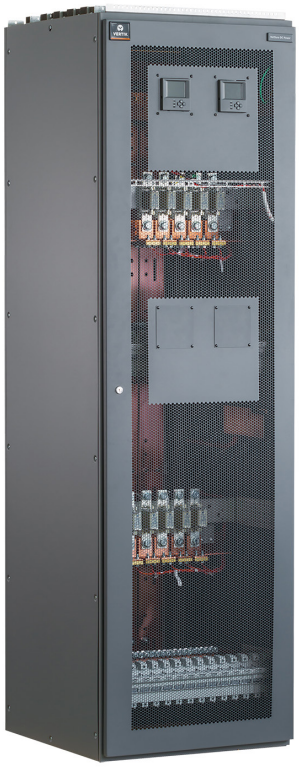
NETSURE™ SERIES

High Capacity Remote Distribution Cabinet

KEY FEATURES

- Integrated LCD display and ethernet connection give instant status locally and remote
- Intelligent Load Management (option) delivers individual current measurement, rack load measurement and power consumption mapping
- Full range of load distribution units for fuse and circuit breakers in combination with plenty of space for cabling give outmost flexibility
- Distribution capacity up to 2000 A per cabinet supports large loads in a small footprint
- A+B configuration in one cabinet reduces footprint



The NetSure High Capacity distribution cabinets offer a flexible distribution solution and enable full Intelligent Load Management on any new or existing site.

The NetSure High Capacity Remote Distribution Cabinet is designed for use in close proximity to -48V data or telecom loads.

Distribution flexibility

Where constant migration and change is the norm

The NetSure High Capacity Remote Distribution Cabinet supports up to 2000 A per cabinet. The A+B configuration setup in a single cabinet minimizes footprint by reducing the number of cabinets required. It can be equipped with a high mix of circuit breakers and fuse units and offers plenty of space for feeding cables. With the optional Intelligent Load Management, this cabinet delivers a detailed understanding of all site loads and gives early warning of possible overload.

Improved reliability

Prevents unplanned load build-ups and potential overloads

The cabinet is as standard equipped with a color LCD display and ethernet connection, giving instant information voltage level, total cabinet load and any circuit breaker or fuse alarms.

With the optional Intelligent Load Management another dimension of information is enabled. Individual current measurement of each circuit breaker or fuse will help to understand load behavior and will provide early warning ahead of potential overload. DC fuse/circuit breaker current measurement is monitored and reported in relation to pre-defined threshold values. Rack load measurement and site energy consumption mapping warn of load distribution inefficiencies and possible hotspots.

Application

The NetSure Series Advanced Remote Distribution Cabinet is ideal for large telecom central offices and data centers operating DC loads.

Technical Specifications

DC OUTPUT	
Adjustable Range	Nominal: -48 VDC

DC SYSTEM UNITS	
Distribution Units	NH00, NH2 fuses, cartridge fuses DIN rail circuit breakers, Bullet type circuit breakers
Circuit Breakers	From 1 A up to 200 A
Fuses	From 2 A up to 600 A
Intelligent Load Management	Optional, equipment for all distribution units

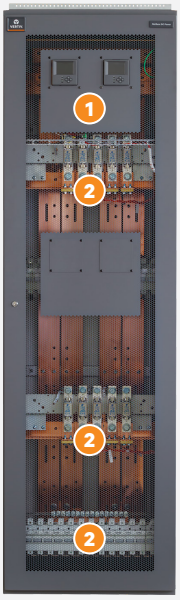
PHYSICAL CHARACTERISTICS	
Cabling Options	Top or bottom
Dimensions (H x W x D)	2020 mm x 600 mm x 600 mm
Weight	180 kg per cabinet (fully equipped)
Access and Security	Front access, IP20, door with lock is standard

ENVIRONMENTAL	
Temperature Range, Operating	-5 °C to +40 °C
Relative Humidity, Operating	<90%
Altitude	2000 m

SAFETY AND STANDARDS COMPLIANCE	
Electrical	CE EN60950-1
EMC	EN 300 386-2, Class B
Environmental	REACH, RoHS 6

SYSTEM CONFIGURATION	
System A	1000 A or 2000 A
System A+B	1000 A + 1000 A

DISTRIBUTION CABINET



1 Monitoring Unit
2 Distribution Units

Distribution Monitoring Unit (DMU)

The DMU will collect and analyze the real-time data from the high capacity remote distribution cabinet.

MECHANICAL DATA	
Display	320 x 240 Pixels TFT LCD
Cabinet Installation	Pre-installed in cabinet
Front Board	Local User Interface (LUI), 3 LEDs and 4 buttons
Home Screen	Total cabinet output voltage (V) and current (I)

GENERAL	
Power Supply	19 VDC to 60 VDC
Power Consumption	Maximum 18 W
Intelligent Load Management	Optional

COMMUNICATION	
Communication with NCU	RS485
Protocol	Modbus
Remote communication	Ethernet

Figure 1: *Home page of the DMU showing total voltage and current.*

Figure 2: *Dashboard view*

Ordering Information

PART NUMBER	DESCRIPTION
BMK220A06	NetSure Advanced Remote Distribution Cabinet, available in different configurations

VertivCo.com | **Vertiv Infrastructure Limited,** George Curl Way, Southampton, SO18 2RY, VAT Number: GB188146827

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