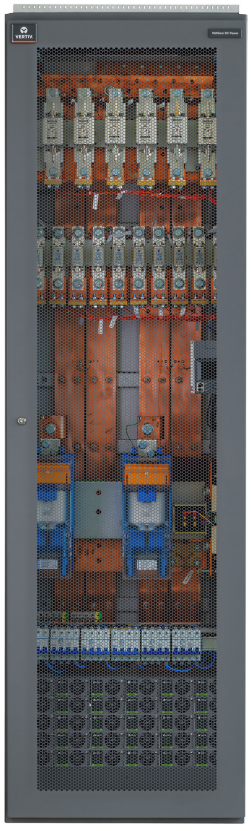
NETSURE™ 7100

Semi-Bulk System

KEY FEATURES

- High power density 105kW per cabinet – saves space for telecom and datacom equipment
- System features world leading power density rectifier
- Individual current measurement feature displays current readings for each fuse/circuit breaker in DC power cabinet and remote distribution cabinets
- Site energy consumption mapping displays energy consumption for each DC Power fed server rack – helping to understand site energy distribution and finding possible hot-spots



The Semi-Bulk Systems in the NetSure 7100 DC power platform offer a market leading reliability.

They are designed to be very energy efficient and will provide very high power capacity in a small footprint. The systems can be configured and expanded to several MW of power and will ensure an outstanding site availability.

Improving site availability

NetSure 7100 sets a new standard

The NetSure 7100 Semi-Bulk systems offer the well-known reliable back up which is the tradition with Vertiv core DC power systems. This is a standard feature. With the optional Intelligent Load Management function the system offers outstanding advanced technology, that provides early warnings, so that measures can be taken before over loads occur. With the NetSure 7100 Semi-Bulk system you can work safe and quick on live systems. The system is designed to minimize risk during reconfiguration and extension. Changing fuses and circuit breakers as well as adding rectifiers and cabinets are all standard procedures with this system.

High power density

Free up space for tele and data com equipment

Large power output capability in a space saving cabinet helps to minimize space needed for reliable back up. The space can instead be utilized for revenue generating tele and data equipment. Power is scaled in world leading power density modules of single phase 3,5kW increments up to NetSure offers 105kW in a single cabinet footprint. The semi bulk system can be used in close proximity to the load or in a dedicated power room using designated NetSure remote distribution cabinets. Both DC Power and distribution cabinets offer a large varity of distribution units to fit application and system location.

Energy efficiency

Minimizing energy losses to save operating costs

The Semi Bulk systems are equipped with eSure rectifiers that offers high efficiency operation under all load conditions thanks to its flat efficiency curve. This in combination with a system designed to reduce losses will result in a very energy efficient backup solution. Even greater energy savings can be achieved on site level with the patented feature Intelligent Load Management. By mapping the energy consumption per equipment rack, hotspots can be detected and site planning can be done to optimize the use of site cooling. This enables possible cost savings on overall site power consumption.

Application

Designed for large telecom and data centres and offering 48V back-up with uncompromised reliability. NetSure 7100 Semi bulk systems can be used in close proximity to the load or in combination with remote distribution cabinets.

Technical Specifications

AC INPUT	
Range	Single phase: 85 to 305 VAC (Nominal 200 VAC to 277 VAC)
Input Current	22 A / rectifier (max. 660 A)
Line Frequency	45 to 65 Hz
Connections	Terminals, 2 x (3W+N+PE)

DC OUTPUT	
Adjustable Range	42 VDC to -58 VDC (Nominal: -48 VDC)
Power, Maximum	105 kW (30 x 3,5 kW rectifier module per cabinet)
Efficiency, Peak	96,3% eSure rectifier R48-3500e3

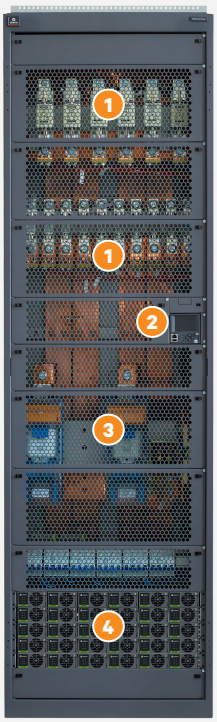
DC SYSTEM UNITS	
Distribution Units	Available for circuit breakers, NH00, NH2, NH3 and NH4 fuses
Circuit Breakers	From 2 A up to 200 A
Fuses	NH00-80 V up to 600 A NH2 up to 400 A NH3 up to 630 A NH4 up to 1250 A
ILM	Optional, equipment for all distribution units
Battery Units	2 x 1500 A or 3 x 1500 A circuit breakers Up to 3 x 1250 A or 5 x 630 A fuses

PHYSICAL CHARACTERISTICS	
Mounting	Top and bottom cabling
Dimensions (H x W x D)	2020 mm x 600 mm x 600 mm
Weight	Maximum 250 kg (without package)
Access and Security	Front access, IP20, door with lock as option

ENVIRONMENTAL	
Temperature Range, Operating	-5 °C to +60 °C (full power up to +40 °C)
Relative Humidity, Operating	<95%
Altitude	2000 m
Ventilation	Forced ventilated (rectifier fans)

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

SEMI-BULK CABINET



1 Distribution Units
2 Monitoring Unit
3 Battery Connection Unit
4 Rectifiers

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

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EN357DRA-NS-SemiBulk / Nov 2017