

Vertiv™ NetSure™ 731 C62

48V DC Power System



Key Features

- Supports up to 300 A load capacity
- Uses high power density rectifier modules with the APFC technology - maintains the power factor up to 0.99
- Tolerates a wide AC input voltage range: 85 ~ 305 VAC; reduces the battery usage.
- Rectifier embraces the soft-switching technology - enhances the efficiency up to 96%
- Hot-pluggable rectifiers; reduces the maintenance time and MTTR.
- Embedded with an advanced controller
- Loaded with the advanced battery management function - includes BLVD, LLVD, temperature compensation, auto voltage regulation, current limiting, battery capacity estimation, online battery test, etc
- Stores up to 5000 history alarms records, 512 history data records, and 10 sets of battery test data records
- Integrated multiple communication ports (such as RS 485, USB, ethernet, and CAN), which enables the Remote control & monitoring function

Description

The Vertiv™ NetSure™ 731 C62 is a standalone indoor DC power system designed to provide unmatched reliability, availability, and efficiency to protect antennae and electronic communications equipment, thereby ensuring vital round-the-clock network continuity. It embodies functions such as Input distribution, Output critical & non-critical distribution, and batteries. An integrated, sophisticated controller ensures overall system integrity and enables remote monitoring capabilities.

Application

- Micro base station
- Macro base station
- Distributed base station
- Integrated access sites



NetSure™ 731 C62

System Configuration

Configuration		NetSure™ 731 C62-X4
Maximum capacity		300A
Controller		M530S
Rectifier module		6 x 50 A (R48-3000e3)
AC Input voltage range		85 to 305 VAC
Input power factor		≥ 0.99
AC Distribution	Input	2 x 63 A/3P (Circuit Breaker)
	Output	1 x 16 A/1P (Circuit Breaker)
AC lightning protection		Class C
DC output voltage		- 43.2 VDC to - 57.6 VDC
DC Distribution	BLVD	2 x 32 A/1P, 4 x 16 A/1P MCB
	LLVD	4 x 32 A/1P, 2 x 16 A/1P, 4 x 63 A MCB; 4 x 100 A Fuse
DC lightning protection		In=10 kA
Battery distribution		2 x 250A (fuse)
Dry contacts		5 pairs of output dry contacts
Accessories		Top Cover, temperature sensor, lithium battery rack, lead-acid battery rack
Dimension (mm) (W x D x H)		600mm x 600mm x 1600mm
Battery compartment		2 Layer Battery Shelves, each shelf: 535mm (W) x 570mm (D) x 330mm (H)
Weight (kg)		≤100 (including rectifier module)