

Vertiv™ NetSure™ Inverter Series



Stand Alone or Add-On Cassette

Benefits

- Free up floor space by powering AC and DC loads in a single subrack with a common battery bank
- Minimize energy consumption with up to 96.3% inverter efficiency in normal AC-AC mode
- Maximize site availability thanks to zero transfer time from grid to battery
- Seamlessly manage your complete back-up solution locally or remotely through a single interface

System Elements

1. AC input and output
2. Signal connections
3. Vertiv eSure Inverters, I230-1200
4. Mini Vertiv NetSure Control Unit
5. -48V DC input

The NetSure™ Inverter Cassette powers AC loads from a single subrack, freeing up floor space while minimizing energy loss and lowering energy consumption.

Improve reliability and save space

The NetSure™ Inverter Cassette is a 19" wide, 1U high stand-alone or add-on shelf that delivers up to 2.4kW/2.5kVA power with three 1.2kW/1.25kVA inverter modules, intelligent control, digital input and output signals, Modbus communication and distribution.

NetSure inverter systems deliver outstanding reliability, modularity and scalability. With market leading power module density, a single system can house both AC and DC power in a compact footprint. The 1U Inverter shelf can be added to any Vertiv and also 3rd party power system.

Minimize energy loss

NetSure inverter systems are designed for efficient operation at any load condition. The I230-1200 VAC Vertiv™ eSure™ inverter operates up to a market-leading 96.3% efficiency. Powering your AC and DC loads with eSure technology ensures energy loss is kept to a minimum and your network is supported by an extremely reliable backup system.



NetSure™ Inverter Cassette 19", 3.75 kVA

Technical Specifications

Description	19" cassette, 3.75 kVA
AC and DC Input – Inverters	
Range	Single phase: 185 VAC to 275 VAC (Nominal: 200 VAC to 240 VAC) DC supply: 40 VDC to 58.5 VDC (Nominal: 48 VDC)
Line Frequency	50 Hz / 60 Hz (47 Hz to 53 Hz / 57 Hz to 63 Hz)
Connections	Terminal and input mains circuit breaker
AC Output	
Range	Single phase: 200 VAC to 240 VAC (Nominal: 230 VAC)
Line Frequency	50 / 60 Hz (50 Hz to 60 Hz)
Power, Maximum	3.75 kVA/3.6 kW (3 x 1.25 kVA/1.2 kW)
Load, Maximum	2.5 kVA/2.4 kW
Efficiency, Peak	96.3% (AC mode); 93.5% (DC mode)
AC System Units	
Distribution (18 mm MCBs)	1 x 1P 12 A circuit breaker (1U)
MCBs (default configuration)	1 x 1P 12 A circuit breaker
Transfer Performance	0s from grid to battery
DC Current Consumed	Max 27 A per inverter module (at 48 VDC)
Physical Characteristics	
Dimensions (H x W x D), Weight	44.1 x 482.5 x 367.0 mm
Weight (excluding modules)	4 kg
Access and Security	Front access, IP20
Environmental	
Temperature Range, Operating	-5 °C to +65 °C (full power up to +45 °C)
Relative Humidity, Operating	<95%
Altitude	3000 m, 10000 ft. (2000 m, 6562 ft. at full power)
Standards Compliance	
Electrical	EN 62368-1:2014/A11:2017, EN 62040-1:2008+A1:2013
EMC	ETSI EN 300 386 V2.1.1 (Conducted class A, Radiated class B)
Environmental	REACH, RoHS 6

Ordering Information

Part Number	Part Number (EMEA only)	Description
02405677	BMK1125608-001	Vertiv™ NetSure™ inverter cassette with mini Vertiv™ NCU, 19" wide
024000A1	BMK1125608-002	Vertiv™ NetSure™ inverter cassette without controller, 19" wide
112301200	–	Vertiv™ eSure™ inverter module, I230-1200
02440098	BMP903110/1	Mini Vertiv™ NetSure™ Control Unit (NCU)

Vertiv.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

© 2022 Vertiv Group Corp. All rights reserved. Vertiv™ and the Vertiv logo are trademarks or registered trademarks of Vertiv Group Corp. All other names and logos referred to are trade names, trademarks or registered trademarks of their respective owners. While every precaution has been taken to ensure accuracy and completeness here, Vertiv Group Corp. assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications, rebates and other promotional offers are subject to change at Vertiv's sole discretion upon notice.