

## Modular Inverter

DC Power

Modular Inverter

3500 VA - 4000 VA



### Features and benefits

- This new brand designed family of improved modular inverters is especially developed for Telecom applications.
- These modules can be supplied from the Telecom 48 V DC voltage, providing output pure sine wave.
- The high frequency and the used topology allow to reach high efficiency into a compact design.
- The environmental friendly range complies with the International, European, and Telecom standards.

Modular inverter for telecom application 48 V DC providing pure output sinewave.

The inverter is a hot plug rear connection module that can be connected in parallel without needs of an external controller.

Thanks to the compact parallel inverter module (2U high) which allows you to design and select the exact quantity of inverter that meets your exact requirements. Or by working with N+1 high reliable configuration by adding a redundant inverter module in your system. This revolution to the inverter technology is ideal for application where future power growth is expected.

Flexibility is provided as the inverter module is “rackable” using Inverter housing rack and can be integrated in any customs designed or standard cabinet or rack. All module can be “hot swapped” live without disturbing the AC load.

## Technical Specifications, Modular Inverter 3000 - 4000 VA

Technical Data	
<b>Model</b>	<i>BMS 404 101/1, 230 V AC    BMS 404 201/1, 120 V AC</i>
DC Input Voltage	-40 V DC to -72 V DC
Inverter AC Output Voltage	230VAC ± 3% 120VAC ± 3%
Frequency	50Hz or 60Hz ± 0.01Hz
<b>Nominal output power</b>	<i>4000VA / 3500W (230VAC)    3500VA / 3000W (120VAC)</i>
Output power factor	0 (inductive) – 0 (capacitive) Full 4 quadrants operation.
Signalling and measurements	LCD display power meter for module status and measurements 3 LEDs (ON, FAULT, DC inverse)
Protections	Internal electronic + relays + fuses
Dielectric strength	4000VDC input/output 4000VDC output/earth 2000VDC input/earth
<b>Permissible overload</b>	<i>6000VA for 5 seconds</i>
Permanent overload	10% Depends on heatsink T° automatic restart.
Overall distortion rate	< 2% on linear load
Maximum crest factor	1:3 for nominal power
Response time	< 500 µSec for 0 to 100% load transient and vice versa
Efficiency at full load	≥90% for 230VAC / >88% for 120VAC
Operating temperature	-10°C to 50°C
Standards conformity	EN60950 - ETS300386-1 EN55022 class B UL/cUL 1950 FCC part 15 class A
Ripple DC input	< 2 mV psophometric
Dimensions / Weight	19 inches wide / 2U height / 500 mm depth. / 18 Kg

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