

Let's talk!

# Inverter INVB4000

- Efficiency > 88 %
- Built-in electronic, static bypass
- Without 50 Hz transformer
- High-frequency switching of the end stage
- Robust IGBT end stage
- Low output impedance
- 19" plug-in case



Picture may differ from actual device

## Specifications

### General

Electrical safety	EN 60950, VDE 0805
Efficiency	> 88 % at nominal load
Galvanic isolation	3.75 kV <sub>DC</sub>
EMC (emission)	EN 50081-1 curve EN 55022A
EMC (immunity)	EN 50082-2
Operating temperature	-5°C to +50°C, non condensing +50°C to +70°C, 2%/K derating

### Input DC

INVB4000-48/60	48/60 V <sub>DC</sub> (38 – 72 V <sub>DC</sub> )
INVB4000-110	110 V <sub>DC</sub> (88 – 132 V <sub>DC</sub> )
INVB4000-125	125 V <sub>DC</sub> (88 – 148 V <sub>DC</sub> )
INVB4000-220	220 V <sub>DC</sub> (178 – 264 V <sub>DC</sub> )

### Output AC

Voltage	230 V <sub>AC</sub> failure tolerance +/-5%
Frequency	50 Hz (60 Hz), sinewave processor controlled
Output power	4 kVA / 3200 W
Power factor	0.8
Load range	0 – 100 %
Crestfactor	> 2.5
Harmonic distortion	< 2 %

### Signals

Visual	LEDs for load display, bypass status and "Power Good"/ON
Electrical	potential-free alarm contacts for "Power Good" and bypass status

### Operation

battery switch,  
push button for setup

### Housing

Size	19"- plug-in case
Weight	3 U / 84 HP, 360 mm depth
Classification	approx. 13.5 kg
Cooling	IP 20
	2 internal, regulated fans

### Electrical connections

Input DC	3 high current terminal blocks Phoenix HDFK 16 mm <sup>2</sup>
Input AC	Phoenix Power-Combicon plug
Output AC	Phoenix Power-Combicon plug
Alarm	Binder round connector

All electrical connections are located on the front.

### Special features

Inverter with integrated static bypass for automatic load switch from mains to inverter or vice versa (with voltage synchronization).

Switching time: typically 4 ms

The LED bar on the front panel displays the output power of the inverter. Each LED signals 25 % of the nominal load.

### Warranty

24 months

### Order code

INVB4000-48/60-230  
INVB4000-110-230  
INVB4000-125-230  
INVB4000-220-230