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

Specifications

General
- Electrical safety: EN 60950, VDE 0805
- Efficiency: > 88 % at nominal load
- Galvanic isolation: 3.75 kV peak
- EMC (emission): EN 50081
- EMC (immunity): EN 50082
- Operating temperature: -5°C to +50°C, non condensing

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

Output AC
- Voltage: 230 V AC
- 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
- Operation mode

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

Electrical connections
- Input DC: 3 high current terminal blocks
- Input AC: Phoenix Power-Combicon plug
- Output AC: Phoenix Power-Combicon plug
- Alarm: Binder round connector

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

picture may differ from actual device