Inverter INVB2000

- 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<sub>DC</sub>
EMC (emission) EN 50081-1
EMC (immunity) EN 50082-2
Operating temperature -5°C to +50°C, non condensing
+50 to +70°C, 2%/K derating

Input DC
INVB2000-48/60 48/60 V<sub>DC</sub> (38 – 72 V<sub>DC</sub>)
INVB2000-110 110 V<sub>DC</sub> (88 – 132 V<sub>DC</sub>)
INVB2000-220 220 V<sub>DC</sub> (178-264 V<sub>DC</sub>)

Output AC
Voltage 115 V<sub>AC</sub>
failure tolerance +/- 5%
Frequency 60 Hz (50 Hz),
sinewave processor controlled
Output power 2 kVA / 1600 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 19” plug-in case
Size 3 U / 84 HP, 360 mm depth
Weight approx. 10 kg
Classification IP 20
Cooling 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 INVB2000-48/60-115
INVB2000-110-115
INVB2000-220-115

Picture may differ from actual device