



*Let's talk!*

# Inverter INVBL2000-Series

- Efficiency >88%
- incl. static Bypass
- without 50 Hz transformer
- high frequency control
- robust IGBT-power amplifier
- low output impedance
- 19"-Rack



## Technical Data

### General

|                       |  |
|-----------------------|--|
| Electrical Safety     | EN 60950, VDE 0805                             |
| Efficiency            | >88% at nominal load                           |
| Electrical isolation  | 3,75 kV <sub>DC</sub>                          |
| EMC-emitted           | EM 61000-6-3                                   |
| EMC-interference      | EM 61000-6-2                                   |
| Operation temperature | -5°C to +50°C<br>+50°C to +70°C, 2%/K derating |

### Input DC

|         |   |
|---------|---|
| Voltage | 48/60 V <sub>DC</sub><br>110V <sub>DC</sub><br>220V <sub>DC</sub> |
|---------|---|

### Output AC

|                     |   |
|---------------------|---|
| Voltage             | 230 V <sub>AC</sub><br>fault tolerance +/- 5% |
| Frequency           | 50 (60) Hz,<br>sinewave processor controlled  |
| Output power        | 2000 VA / 1600 W                              |
| Power factor        | 0,8   |
| Load range          | 0 - 100%                                      |
| Crestfactor         | ≥3  |
| Harmonic distortion | <2%   |
| Bypass switch time  | typical 4ms                                   |

### Signals

|            |                                 |
|------------|---------------------------------|
| Visual     | LCD Dot Matrix Display 2x8      |
| Electrical | 2 potential free alarm contacts |

### Operation

|        |   |
|--------|---|
| Local  | Main Switch<br>Button for setup   |
| Remote | PC interface for data recall,<br>Parameter setting via LAN<br>Web/SNMP integrated |

### Housing

|                |                                       |
|----------------|---------------------------------------|
| Size           | 19"-rack                              |
| Weight         | 3 HE, depth 360 mm<br>approx. 9.88 kg |
| Classification | IP 20                                 |
| Ventilation    | forced ventilation , internal fan     |

### Electrical connection

|                    |   |
|--------------------|---|
| Connectors         | front   |
| Input DC 48/60V    | high current terminal blocks<br>HDFK 16 mm <sup>2</sup> |
| Input DC 110V/220V | Phoenix Power CombiCon<br>PC6/3-GF10,16                 |
| Input AC           | Wago Winsta Midi  |
| Output AC          | Wago Winsta Midi  |
| Signal             | Phoenix Mini-Combicon                                   |

### Special features

Static Bypass integrated for automatic switching by voltage communications mains to Inverter or backwards.

Switchover time typical 4ms

### Warranty

24 months

### Order code

INVBL2000-48/60-230  
INVBL2000-110-230  
INVBL2000-220-230