

# Inverter INVB2000 Bypass

- Efficiency >88%
- Built-in static bypass
- Without 50 Hz transformer
- High-frequent switching
- 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% by nominal load          |
| Galvanic isolation    | 3.75 kV <sub>DC</sub>         |
| EMC (emission)        | EN 50081-1<br>Curve EN 55022B |
| EMC (immunity)        | EN 50082-2                    |
| Operating temperature | -5 to +45°C non condensing    |

### Input DC

|                |                               |
|----------------|-------------------------------|
| INVB2000-24    | 24 (19-31) V <sub>DC</sub>    |
| INVB2000-48/60 | 48/60 (38-72) V <sub>DC</sub> |
| INVB2000-110   | 110 (88-132) V <sub>DC</sub>  |
| INVB2000-220   | 220 (178-264) V <sub>DC</sub> |

### Output AC

|                     |   |
|---------------------|---|
| Voltage             | 230 V <sub>AC</sub><br>failure tolerance +/- 5% |
| Frequency           | 50 Hz,<br>sinewave processor controlled         |
| Output power        | 2 kVA / 1600W                                   |
| Power factor        | 0.8   |
| Load range          | 0 - 100%  |
| Crestfactor         | >2.5  |
| Harmonic distortion | <2%   |

### Signals

|               |                            |
|---------------|----------------------------|
| Visual        | LCD dot matrix display     |
| Signal output | voltage free alarm contact |

### Operation

push-button for setup,  
DC switch, AC switch

### Warranty

24 months

### Housing

|                  |                          |
|------------------|--------------------------|
| 19"-plug-in case |                          |
| Size             | 3 U/ 84 TE, 360 mm depth |
| Weight           | app. 11kg                |
| Classification   | IP 20                    |
| Ventilation      | internal fan             |

### Electrical connections

|                |   |
|----------------|---|
| Connectors     | front (rear connectors upon request)  |
| DC IN          | 3 high current terminal blocks 16 mm <sup>2</sup><br>(24, 48/60V),<br>Phoenix Power Combicon<br>(110, 220V) |
| AC OUT         | appliance outlet Schurter   |
| AC IN (bypass) | appliance inlet Schurter  |
| Alarm          | Phoenix Mini-Combicon   |

### Technical Features

Built-in static bypass-switch with voltage synchronization.

Switching time <10ms.

### Order Code

e.g. INVB2000 - 48/60 - 230 - 1

| Type | P / VA | U <sub>in</sub> / VDC | U <sub>out</sub> / VAC | Options |
|------|--------|-----------------------|------------------------|---------|
| B    | 2000   |                       |                        |         |
|      |        | 24                    | 230                    | 1, 2    |
|      |        | 48 / 60               |                        |         |
|      |        | 110                   |                        |         |
|      |        | 220                   |                        |         |

Separate values by hyphen (-), append options where applicable

Options:  
1: 60Hz f<sub>OUT</sub>  
2: Rear connectors