

Inverter INVB1000 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 _{DC} |
| EMC (emission) | EN 50081-1 Curve EN 55022B |
| EMC (immunity) | EN 50082-2 |
| Operating temperature | -5 to +45 °C non condensing |

Input DC

| | |
|----------------|-------------------------------|
| INVB1000-24 | 24 (19-31) V _{DC} |
| INVB1000-48/60 | 48/60 (38-72) V _{DC} |
| INVB1000-110 | 110 (88-132) V _{DC} |
| INVB1000-220 | 220 (178-264) V _{DC} |

Output AC

| | |
|---------------------|---|
| Voltage | 230V _{AC} (115V _{AC}) failure tolerance +/-5% |
| Frequency | 50 Hz (60 Hz), sinewave processor controlled |
| Output power | 1 kVA / 800W |
| 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

| | |
|----------------|-------------------------|
| Size | 19"-plug-in case |
| Weight | 3 U/ 84 TE, 240mm depth |
| Classification | app. 7.5kg |
| Ventilation | IP 20 |
| | internal fan |

Electrical connections

| | |
|----------------|--------------------------------------|
| Connectors | front (rear connectors upon request) |
| DC IN | 3 terminal blocks 16 mm ² |
| 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. INVB1000 - 48/60 - 230 - 1

| Type | P / VA | U _{IN} / VDC | U _{OUT} / VAC | Options |
|------|--------|-----------------------|------------------------|---------|
| INV | 1000 | 24 | 230 | 1, 2 |
| | | 48 / 60 | 115 | |
| | | 110 | | |
| | | 220 | | |

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

Options:
1: 60Hz f_{OUT}
2: Rear connectors