



*Let's talk!*

# 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 <sub>DC</sub>
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 <sub>DC</sub>
INVB1000-48/60	48/60 (38-72) V <sub>DC</sub>
INVB1000-110	110 (88-132) V <sub>DC</sub>
INVB1000-220	220 (178-264) V <sub>DC</sub>

### Output AC

Voltage	230V <sub>AC</sub> (115V <sub>AC</sub> ) 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

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

### Electrical connections

Connectors	front (rear connectors upon request)
DC IN	3 terminal blocks 16 mm <sup>2</sup>
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

INV	Type	P / VA	U <sub>IN</sub> / VDC	U <sub>OUT</sub> / VAC	Options
	B	1000			
			24	230	1, 2
			48 / 60	115	
			110		
			220		

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

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