

Inverter INV1000 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) VDC
INVB1000-48/60	48/60 (38-72) VDC
INVB1000-110	110 (88-132) VDC
INVB1000-220	220 (178-264) VDC (upon request)

Output AC

Voltage	230 VAC (115 VAC/ 60 Hz upon request), failure tolerance \pm 5%
Frequency	50 Hz, sinewave processor controlled
Output power	1 kVA / 800 W
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 < 10 ms.

Order Code

e.g. INVB1000 - 48/60 - 230 - 1

Type	P / VA	U _{in} / VDC	U _{out} / VAC	Options
INV	B	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