

Inverter INVB500 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

INVB500-24	24 (19-31) V _{DC}
INVB500-48/60	48/60 (38-72) V _{DC}
INVB500-110	110 (88-132) V _{DC}
INVB500-220	220 (178-264) V _{DC}

Output AC

Voltage	230 V _{AC} (115 V _{AC}) failure tolerance ± 5%
Frequency	50 Hz (60 Hz), sinewave processor controlled
Output power	0.5kVA / 400W
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
Weight classification	app. 7.0kg
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. INVB500 - 48/60 - 230 - 1

Type	P / VA	U _{IN} / VDC	U _{OUT} / VAC	Options
INV	500	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