



*Let's talk!*

# Inverter INVBL4000-Series

- Efficiency > 88 %
- built-in static bypass
- without 50 Hz transformer
- high frequency control
- robust IGBT power amplifier
- low output impedance
- 19" rack



Picture may differ from actual device

## Technical Data

### General

Electrical Safety	EN 60950, VDE 0805
Efficiency	> 88 % at nominal load
Electrical isolation	3.75 kV <sub>DC</sub>
EMC emission	EN 61000-6-3
EMC immunity	EN 61000-6-2
Operation temperature	-5°C to +45°C, non condensing, +45°C to +70°C: 1.5%/K derating for DC <sub>IN</sub> = 48/60 V <sub>DC</sub> and 110 V <sub>DC</sub>

### Input DC

Voltage	48/60 (38 - 72) V <sub>DC</sub> 110 (88 - 132) V <sub>DC</sub> 220 (178 - 264) V <sub>DC</sub> 540 (350 - 750) V <sub>DC</sub>
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### Output AC

Voltage	230 V <sub>AC</sub> , fault tolerance +/- 5 %
Frequency	50/60 Hz, sinewave processor controlled
Output power	4 kVA / 3200 W
Power factor	0.8
Load range	0 – 100 %
Crest factor	≥ 2.5
Harmonic distortion	< 3 %

### Signals

Visual	LED green: o.k. LED red: alarm LCD dot matrix display (2 x 16)
Electrical	2 configurable, potential-free alarm contacts 2 configurable alarm inputs 2 temperature inputs (PT1000)
LAN interface	IEEE 802.3™ compatible Ethernet Controller, 10Base-T Port, supported network protocols: IPv4, http, SNMP v1/v2c, DHCP, NTP, ICMP

### Operation

Local	Battery Switch 4 push buttons for setup
Remote	PC interface for data recall, parameter setting via LAN, Web/SNMP integrated

### Housing

Dimensions	19" rack
Weight	3 U / 84 HP, depth 360 mm approx. 14 kg
Protection class	IP 20
Cooling	2 internal, regulated fans

### Electrical connections

Connectors	front
Input DC	3 terminal blocks 48/60V, 110V, 220V 540V
Input AC (Bypass)	HDFK 16, 16 mm <sup>2</sup> HDFK 10-HV, 10 mm <sup>2</sup>
Output AC	Wago Winsta Midi, 3-pole
LAN	Wago Winsta Midi, 3-pole RJ45
Signal	Phoenix Mini-Combicon MC1,5/14-GF-3,5

### Special features

Inverter with integrated static bypass for automatic load switch from mains to inverter or vice versa, switching time typically 4 ms.

### Warranty

24 months

### Order Code

INVBL4000-48-230-K1  
INVBL4000-110-230  
INVBL4000-220-230  
INVBL4000-540-230