

# Inverter INVP4000

- Efficiency > 88%
- With parallel mode module
- 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°C to +55°C, non condensing +55°C to +70°C, 2%/K derating

### Input DC

INVP4000	48/60 (38-72) V <sub>DC</sub>
INVP4000	110 (88-132) V <sub>DC</sub>
INVP4000	220 (178-264) V <sub>DC</sub>

### Output AC

Voltage	230 V <sub>AC</sub> failure tolerance ± 5%
Frequency	50 Hz, sinewave processor controlled
Output power	4 kVA / 3200W
Power factor	0,8
Load range	0 - 100%
Crestfactor	>2,5
Harmonic distortion	<2%

### Signals

Visual	LEDs for load display and PG/ON
Signal output	voltage free alarm contact

### Operation

push-button for setup,  
main switch

### Housing

19"- plug-in case	
Size	3 HE/ 84 TE, 360 mm depth
Weight	app. 11kg
Classification	IP 20
Ventilation	internal fan

### Electrical Connections

Connectors	front (rear connectors upon request)
Input DC	3 high current terminal blocks 16 mm <sup>2</sup>
Output AC	
(parallel-mains)	Phoenix Power-Combicon plug
Parallel-signal	2x Phoenix Power-Subcon plugs
Alarm	Binder round connector

### Technical Features

Built-in parallel mode module to increase the power range for bigger loads. The load current sharing is done by each inverter individually.  
Possibility to parallel up to 5 inverters INVP4000.  
The LED bar on the front panel reads the output power of the inverter. Each LED signals the 25% nominal load.

### Warranty

24 months

### Order code

INVP4000-48/60-230  
INVP4000-110-230  
INVP4000-220-230