

# Inverter INV4000

- 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 DC
EMC (emission)	EN 50081-1/2
EMC (immunity)	EN 55022B
Operating temperature	-5°C to +45°C non condensing

### Input DC

INVP4000-48/60	48/60 (38-72) VDC
INVP4000-110	110 (88-132) VDC
INVP4000-220	220 (178-264) VDC (upon request)

### Output AC

Voltage	230 VAC failure tolerance $\pm 5\%$
Frequency	50 Hz (60Hz upon request), sinewave processor controlled
Output power	4 kVA / 3200 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,  
main switch

### Warranty

24 months

### Housing

Size	19"- plug-in case
Weight	3 U/ 84 TE, 360 mm depth
Classification	app. 11 kg
Ventilation	IP 20
	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	2 x RJ45 S-UTP
Alarm	Phoenix Mini-Combicon

### 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 inverter.

### Order Code

e.g. INVP4000 - 48/60 - 230 - 1

Type	P / VA	U <sub>in</sub> / VDC	U <sub>out</sub> / VAC	Options
INV	P	4000	230	
		48 / 60		1, 2
		110		
		220		

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

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