

Inverter INV2000

- 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 Curve EN 55022B
EMC (immunity)	EN 50082-2
Operating temperature	-5°C to +45°C non condensing

Input DC

INVP2000-24	24 (19-31) VDC
INVP2000-48/60	48/60 (38-72) VDC
INVP2000-110	110 (88-132) VDC
INVP2000-220	220 (178-264) VDC

Output AC

Voltage	230 VAC (115 VAC/60 Hz upon request), failure tolerance $\pm 5\%$
Frequency	50 Hz, sinewave processor controlled
Output power	2 kVA / 1600 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 ² (24, 48/60 V), Phoenix Power Combicon (110, 220 V)

Output AC

(parallel-mains)	2 x Phoenix Power-Combicon plugs
Output AC	1 x Appliance outlet
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 inverters.

Order Code

e.g. INV2000 - 48/60 - 230 - 1

Type	P / VA	U _{in} / VDC	U _{out} / VAC	Options
INV	2000			
		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