

Inverter INVP1000

- 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 to +45°C non condensing

Input DC

INVP1000-24	24 (19-31) V _{DC}
INVP1000-48/60	48/60 (38-72) V _{DC}
INVP1000-72	72 (60-90) V _{DC}
INVP1000-110	110 (88-132) V _{DC}
INVP1000-220	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	1 kVA / 800W
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

19"- plug-in case	
Size	3 U/ 84 TE, 240 mm depth
Weight	approx. 6.8 kg
Classification	IP 20
Ventilation	internal fan

Electrical connections

Connectors	Front (rear connectors upon request)
Input DC	3 high current terminal blocks 16 mm ²
Output AC	
(parallel-mains)	2x Phoenix Power-Combicon plugs
Output AC	1x Appliance outlet
Parallel-signal	2x 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. INVP1000 - 48/60 - 230 - 1

INV	Type	P / VA	U _{in} / VDC	U _{out} / VAC	Options
	P	1000			
			24	230	1, 2
			48 / 60	115	
			72		
			110		
			220		

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

Options:
1: 60Hz f_{OUT}
2: Rear connectors