



*Let's talk!*

# Inverter INVP500

- 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 to +45°C non condensing

### Input DC

INVP500-24	24 (19-31) V <sub>DC</sub>
INVP500-48/60	48/60 (38-72) V <sub>DC</sub>
INVP500-110	110 (88-132) V <sub>DC</sub>
INVP500-220	220 (178-264) V <sub>DC</sub>

### Output AC

Voltage	230 V <sub>AC</sub> (115 V <sub>AC</sub> ), failure tolerance +/-5%
Frequency	50 Hz (60 Hz), sinewave processor controlled
Output power	500VA / 400W
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. 6.5 kg
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) 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. INVP500 - 48/60 - 230 - 1

INV	Type	P / VA	U <sub>N</sub> / VDC	U <sub>OUT</sub> / VAC	Options
	P	500	24	230	1, 2
			48 / 60	115	
			110		
			220		

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

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