

# Inverter INVW500

- case for wall mounting
- small and strong
- without 50 Hz transformer
- potential free
- sinewave
- short-circuit protected
- overload protected

Picture may differ from actual device



## Specifications

### General

Electrical safety	EN 60950, VDE 0805 overload and short-circuit protected
Efficiency	about 87%, 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

INVW500-48/60	48/60 (38 - 72) V <sub>DC</sub>
INVW500-110	110 (88 - 132) V <sub>DC</sub>
INVW500-220	220 (178- 264) V <sub>DC</sub> (upon request)

### Output

Voltage	230 V <sub>AC</sub> (115 V <sub>AC</sub> upon request)
Frequency	50 Hz, sinewave processor controlled (60Hz upon request)
Power	500 VA, 400W
Power factor	0.8
Load range	0 - 100%
Crestfactor	>2.5
Harmonic distortion	<3%

### Signals/Operation

Optical signals	power/PG, overload/OVL
Signal output	voltage free alarm contact
Operation	switch

### Optional, upon request:

Control input	24 V <sub>DC</sub> optocoupler input for remote operation
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### Warranty

24 months

### Housing

Size (W x D x H)	270 x 115 x 255 (mm)
Weight	app. 5kg
Classification	IP 54
Ventilation	convection via heatsink on wall side

### Electrical connections

Connectors	bottom connectors
DC-Input	Harting connector HAN Q5, 3-pole
AC-Output	Harting connector HAN Q5, 3-pole
Signals	Binder round connector DIN 45322 (Harting HAN 80 5-pole opt.)
Earthing	via Harting HAN Q5 (DC-IN), earthing screw on the case

### Order Code

e.g. INVW500-48/60 - 230 - 1

INV	Type	P / VA	U <sub>IN</sub> / VDC	U <sub>OUT</sub> / VAC	Options
	W	500			
			48 / 60	230	1, 5
			110	115	
			220		

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

Options:  
1: 60Hz f<sub>OUT</sub>  
5: HAN 80 input for remote operation