



*Let's talk!*

# Inverter INVWR500

- According to rail norm EN 50155
- Cooling via self convection
- Galvanic isolated remote control input
- Stainless steel wall mounting case
- IP 54 classification
- Lockable heavy duty connectors
- sinewave



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	3.75kV <sub>DC</sub>
EMC (emission)	EN 50081-1 Curve EN 55022B
EMC (immunity)	EN 50082-2
Environmental test	EN 50155, ENV 50121-3-2

Operating temperature -25 to +70°C non condensing

### Input

INVWR500-110	110 (77 - 143) V <sub>DC</sub>
INVWR500-48/60	48/60 (38 - 72) V <sub>DC</sub> (upon request)

### Output

Voltage	230V <sub>AC</sub> (115V <sub>AC</sub> on 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

Signal output	voltage free alarm contact
Control input	optocoupler input for remote operation

### Optional, upon request:

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

### Warranty

24 months

### Housing

Size (W x D x H)	270 x 115 x 255 (mm)
Weight	approx. 6.20 kg
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	Harting connector HAN 80, 5-pole (Binder DIN 45322 opt.)
Earthing	via Harting HAN Q5 (DC-IN), earthing screw on the case

### Order Code

e.g. INVWR500-48/60 - 230 - 1

Type	P / VA	U <sub>in</sub> / VDC	U <sub>out</sub> / VAC	Options
INV	WR	500		
			48 / 60	230
			110	115

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

Options:

1: 60Hz f<sub>out</sub>

6: PG/OVL signals (diodes), switch operated