

# Inverter INV500 Rail

- 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



## Specifications

### General

Electrical safety	EN 60950, VDE 0805 overload and short-circuit protected
Efficiency	about 87 %, nominal load
Galvanic isolation	3.75 kV DC
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

INVWR500-48/60	48/60 (38 - 72) VDC
INVWR500-110	110 (77 - 143) VDC
INVWR500-220	220 (178- 264) VDC (upon request)

### Output

Voltage	230 VAC (115 VAC on request)
Frequency	50 Hz, sinewave processor controlled (60Hz upon request)
Power	500 VA, 400 W
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:

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	app. 5 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	500	48 / 60	230	1, 6
		110	115	
		220		

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

Options:  
1: 60Hz f<sub>OUT</sub>  
6: PG/OVL signals (diodes), switch operated