

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



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

INVWR500-110	110 (77 - 143) V _{DC}
INVWR500-48/60	48/60 (38 - 72) V _{DC} (upon request)
INVWR500-220	220 (178- 264) V _{DC} (upon request)

Output

Voltage	230 V _{AC} (115 V _{AC} 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	wall mounting case
(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	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 _{IN} / VDC	U _{OUT} / VAC	Options
INV	WR	500		
		48 / 60	230	1, 6
		110	115	
		220		

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

Options:

- 1: 60Hz f_{OUT}
- 6: PG/OVL signals (diodes), switch operated