

# DC-AC Converter INVR2000-36-230-K1

## Inverter for Rail Applications

### Specification

#### General

Electrical safety EN 50124  
overload- and short circuit protected

#### Electrical data

##### Input

Input voltage nom.  $U_N = 36V_{DC}$   
Input range 25 bis  $47V_{DC}$

##### Output

Output voltage nom.  $230V_{AC}$ , 1-phase, "floated"

Output frequency 50Hz, sine wave  
processor-controlled

Voltage stability +/-5%

Efficiency >88%

Output power max. 2000VA / 1600W

Output current nominal 6,95A

Short circuit current  $I_{SC} = >18A$

Power factor 0.8

Load range 0 - 100%

Crestfactor >2,5

Harmonic distortion <3%

Overload capability 1,50 x  $P_{NOM}$  für 3seconds

Restart after overload 3 times after 3 seconds, then after  
60 Sekunden

#### Ambient conditions

Operating temperature -25°C bis +70°C, acc. EN50155

Rel. humidity <75% average per year

Shock and vibration acc. to EN 61373 B

#### EMC

According to EN50121-3-2



Picture may differ from actual device

#### Signal contact

Remote on/off potential free, 16-50V<sub>DC</sub> / <10mA

Signal 1 pole switch, max. 250V<sub>AC</sub>/1A

LED green power good  
LED red overvoltage, fan failure, excess  
temperature and short circuit

#### Mechanical data

Case material sheet steel, zinc-plated

Dimension 460 x 300 x 120mm (W x D x H)

Weight approx. 12kg

Protection IP 21

Cooling forced ventilation,  
temperature-controlled

#### Connecting terminals

Input: -X1 Phoenix PC 35, 3-pole

Remote on/off: -X2 Phoenix DFK MC1.5, 6- pole

Signal: -X2.1 Phoenix DFK MC1.5, 6- pole

Output AC: -X3 Phoenix PC4, 6- pole

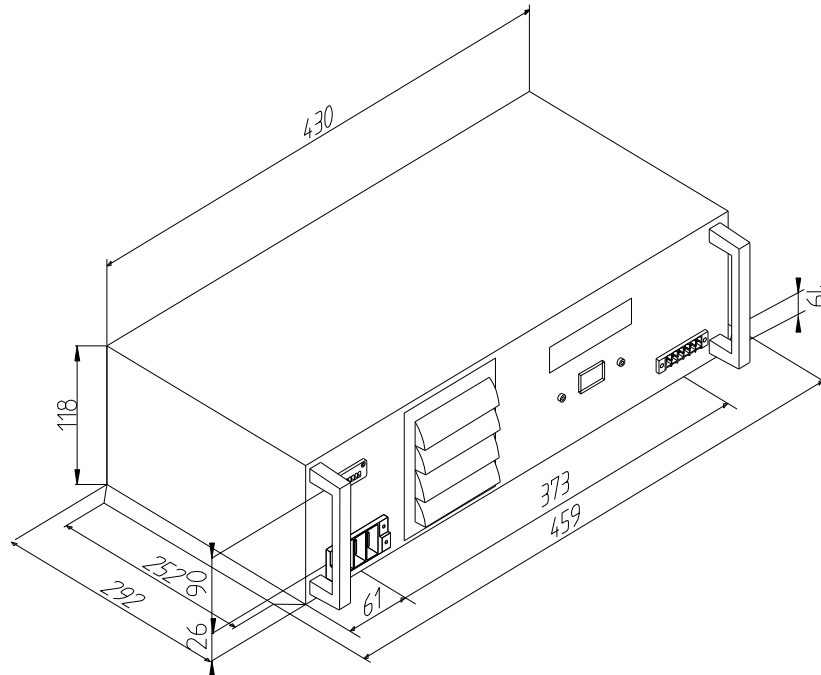
**Order Code** INVR2000-36-230-K1

**Warranty** 24 months

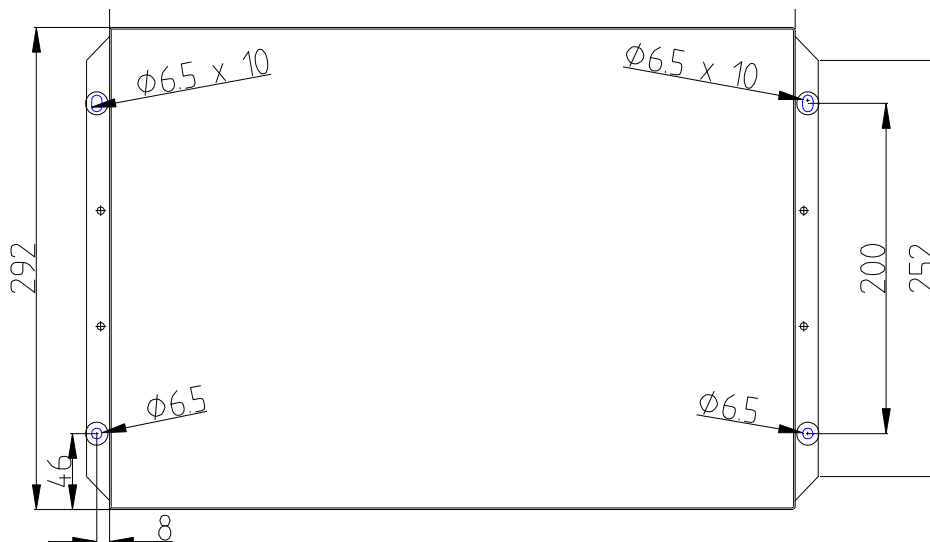
# DC-AC Converter INVR2000-36-230-K1

Inverter for Rail Applications

## Specification



Holes for installation:



Self-locking nuts must be used for fastening of the device, with maximum 8Nm moment of force.