



*Let's talk!*

# DC-AC Converter INVR2000-24-230

Inverter for Sub-Chassis mounting in Rail Applications

## Specification

### General

Electrical safety EN 60950, VDE 0805  
overload- and short circuit protected

### Electrical data

#### Input

Input voltage nom.  $U_N = 24 V_{DC}$   
Input range 16,8 - 32,64  $V_{DC}$  (0,7 - 1,36 x  $U_N$ )

#### Output

Output voltage nom. 230  $V_{AC}$ , 1-phase  
Output frequency 50 Hz  
Voltage stability  $\pm 5\%$   
Efficiency  $> 86\%$   
Output power max. 2000 VA / 1600W  
Output current nominal 6,95A  
Short circuit current  $I_{SC} = 10,4A$   
Power factor 0.8  
Load range 0-100%  
Crestfactor  $> 2,5$   
Harmonic distortion  $< 2\%$   
Overload capability 1,25 x  $P_{NOM}$  for 12 seconds  
1,50 x  $P_{NOM}$  for 3 seconds

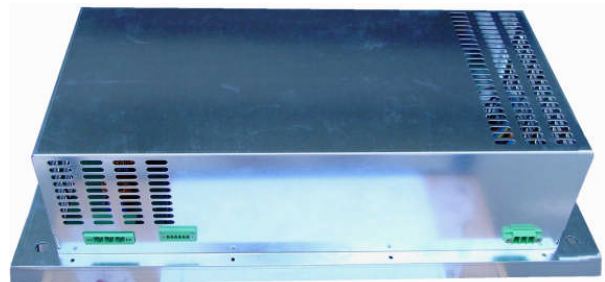
Restart after overload after 30 seconds

### Ambient conditions

Operating temperature  $-40^{\circ}C$  to  $+70^{\circ}C$ , acc. EN50155  
Rel. humidity  $< 75\%$  average per year  
Shock and vibration acc. EN50155, „mounted into frame“  
frequency range: 5-150 Hz  
transfer frequency: 8,2 Hz  
Oscillation amplitude below transit frequency: 7,5 mm  
Acceleration amplitude above transit frequency: 20  $m/s^2$

### EMC

According to EN50121-3-2



Picture may differ from actual device

### Signal contact

Alarm contact potential free, max. 125 $V_{DC}$  / 0,5A  
Remote ON/OFF 24  $V_{DC}$ , via relay coil

### Mechanical data

Case material sheet steel, zinc-plated  
Dimension 600 x 270 x 170 mm (W x D x H)  
Weight approx. 12kg  
Protection IP 20  
Cooling forced ventilation,  
fan speed is depending from  
temperature and inverter output  
power

### Connecting terminals

Input: -X1 Phoenix Power Combi Con, male,  
PC6/3-GF-10-16 / 10  $mm^2$ ,  
with locking device  
Signal: -X2 Phoenix Mini Con, female,  
1,0  $mm^2$ , with locking device  
Output: -X3 Phoenix Power Combi Com, female  
2,5  $mm^2$ , with locking device

### Warranty

24 months

### Order code

INVR2000-24-230