

Let's talk!

DC-AC Converter INVR2000-110-230-K6

Inverter for Rail Applications

Technical Data

General

Insulation coordination	according to EN 50124
Electrical safety	overload- and short-circuit protected
Efficiency	> 86 %
Galvanic isolation	3.75 kV _{AC}

Electrical data – Input DC

Nominal voltage	$U_N = 110 \text{ V}_{DC}$
Voltage range	$\pm 20\%$, temporarily $\pm 40\%$, according to EN 50155

Electrical data – Output AC

Nominal voltage	230 V _{AC} , 1-phase, floating
Fault tolerance	+/-5 %
Frequency	50 Hz, sine wave processor controlled
Maximum output power	2000 VA / 1600 W
Power factor	0.8
Load range	0 – 100 %
Crest factor	> 2,5
Harmonic distortion	< 3 %
Overload capability	1.50 x P _{Nom} for 3 seconds
Restart after overload	restart attempt every 30 seconds

Ambient conditions

Operation temperature	-25°C to +70°C, non-condensing +55°C to +70°C: 2%/K derating
Rel. humidity	0 – 100 %
Shock and vibration	according to EN 61373 1B

EMC

according to EN 50121-3-2

Operation

Remote on/off	via optocoupler, $U_R = 15\text{-}154 \text{ V}_{DC}$, reverse polarity protection
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Signalling

Electrical	1 x potential-free alarm contact
Visual	green LED for „Power Good“; red LED for overload, short-circuit on the output, excess temperature, fan fail and AC OVP/UVP; LCD dot matrix display



Picture may differ from actual device

Housing

Dimensions	19", 3 U, 290 mm depth
Weight	approx. 10.5 kg
Classification	IP 20
Ventilation	forced air cooling, temperature controlled max. volume flow: 130 m ³ /h

Electrical connections

Input DC: -X1	Phoenix PC 6/3-GF-10,16
Remote on/off: -X2	Phoenix MC1,5/6-GF-3,81
Signal: -X2.1	Phoenix MC1,5/6-GF-3,81
Output AC: -X3	Phoenix PC4, 6-pole

Order Code

INVR2000-110-230-K6

Warranty

24 months

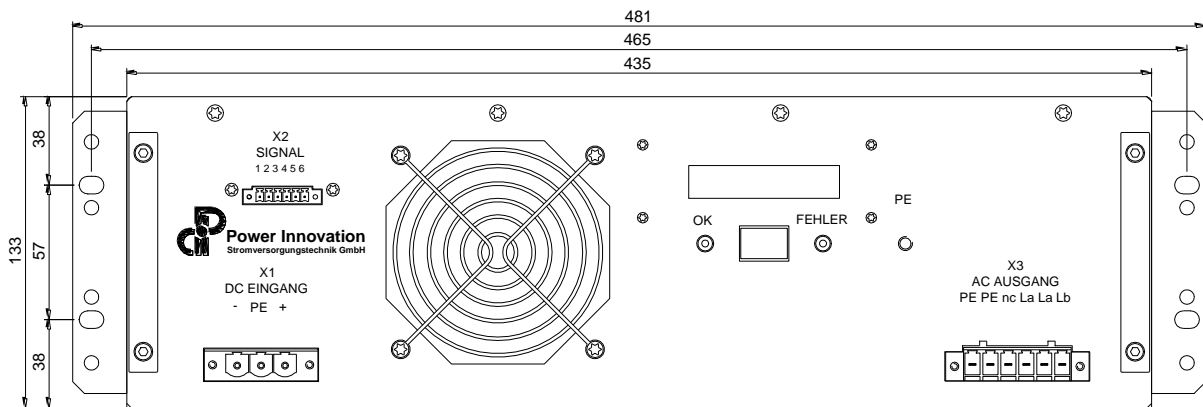
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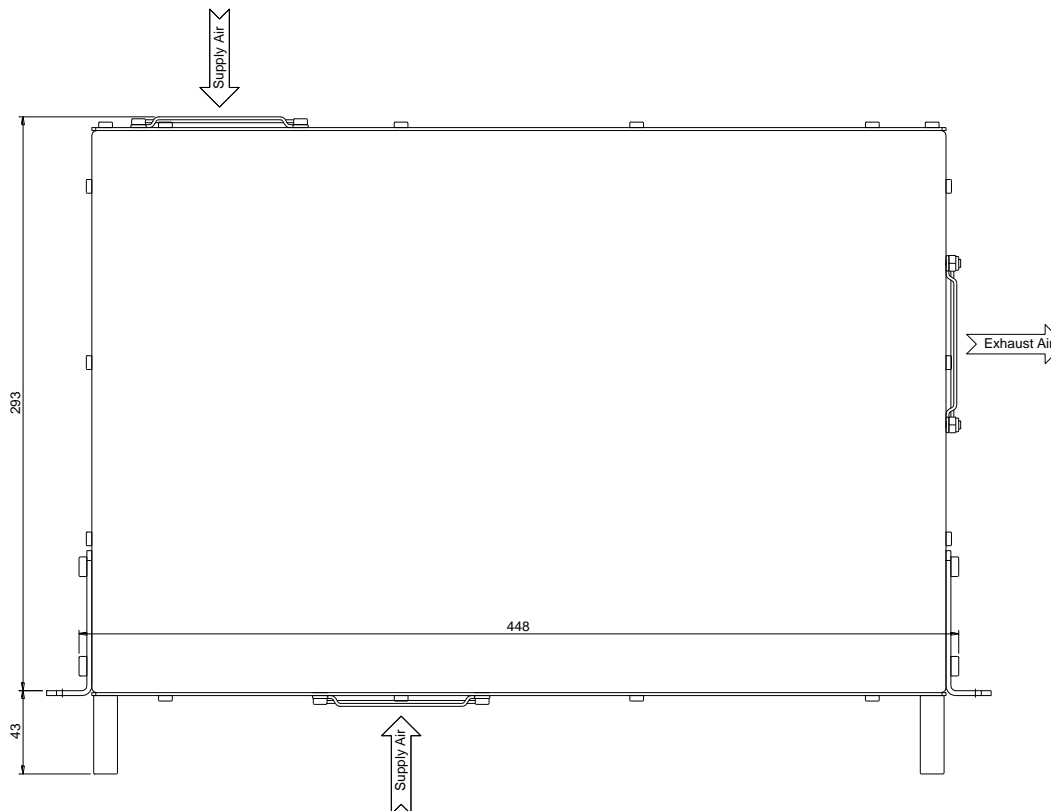
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Mechanical data

All dimensions in mm.



Front



Top view

Subject to change without notice.

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Version 1.1

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