



GETON CONTAINERS

# What are the high frequency inverters in Zagreb





## Overview

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Who makes frequency inverters?

ZIEHL-ABEGG develops and supplies carefully tuned frequency inverters for ventilation systems and frequency inverters for elevator drives. What does a frequency inverter do?

What is a frequency inverter?

Frequency inverters are electronic devices that create an AC voltage with variable frequency from an AC voltage with fixed frequency (e.g. 50 Hz). They are usually installed between the supply network and an electric motor so that its speed can be controlled steplessly and precisely and so that its energy consumption can be optimised.

What are the components of a frequency inverter?

Frequency inverters are made up of the following main assemblies: The rectifier converts the AC voltage on the input side into DC voltage. The electrical components needed for this are known as uncontrolled or controlled bridges, such as thyristors or transistors.

How does a frequency inverter affect asynchronous motors?

If, for example, an asynchronous motor is controlled by a frequency inverter, regulating the speed range also reduces the energy consumption of the electric motor as well as its power loss. In the partial-load range, the frequency inverter thus increases the system efficiency.



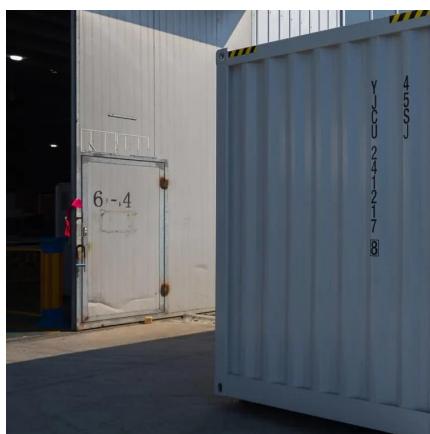
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In the world of electrical engineering and power electronics, high-frequency inverters play a crucial role in various applications, offering a wide array of advantages and benefits compared to traditional inverters. As technology ...

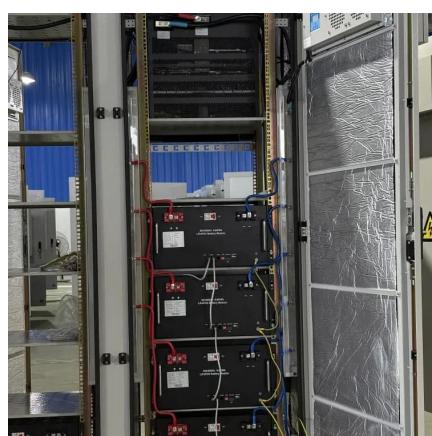
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[Frequency inverters , Explanation, function & design](#)

Frequency inverters: Definition, function, design, advantages + areas of application of frequency converters. Click here to find out more!

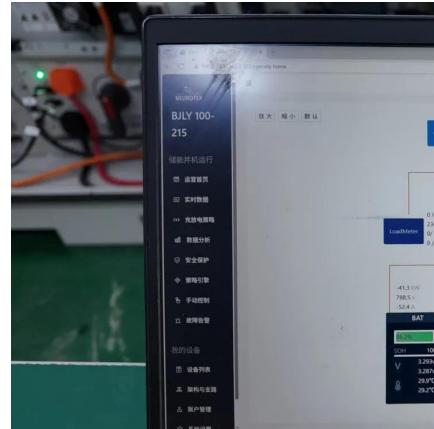
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