SOLAR PRO.

SolarTech Power Solutions

Western European high-frequency inverter

Overview

What is a frequency inverter used for?

If, however, an application or production process requires an adjustable AC voltage (that is, a controllable speed), frequency inverters are used. These frequency inverters can generate an AC voltage that is variable in amplitude (the output voltage level) and frequency from a constant AC voltage. How does a frequency inverter work?

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What is a current-controlled frequency inverter?

Current-controlled frequency inverters maintain the ratio of current to frequency (I/f) at a constant level at all times and are suitable for use in applications in the high megawatt range. In the lower megawatt or kilowatt range, in contrast, voltage-controlled frequency inverters represent the latest state-of-the-art technology.

Which decentralised inverters are available?

The decentralised inverters in our portfolio include: SEW-EURODRIVE produces high-quality frequency inverters for controlling the speed of AC motors in your applications and production processes.

What are the applications of 400V 500V & 690V frequency inverters?

An exemplary application for the use of 400V, 500V & 690 V frequency inverters is the operation of fans or pumps, but also crushers and mills. Medium-voltage solutions up to 13.8 kV and 25 MW.

What is a Hitachi frequency inverter?

The Hitachi frequency inverter series are highly flexible, user-friendly and easy to commission for a wide range of applications. Setting new standards for applications in harsh environments, with high flexibility and user-friendly

design for easy commissioning. Stay ahead with our newsletter!.

Which case is suitable for voltage-controlled frequency inverters?

In simple terms, the following cases are suitable for voltage-controlled frequency inverters: A rectifier converts the AC voltage supplied from the supply system into DC voltage. A DC link then takes on the task of smoothing and stabilising this DC voltage.

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