



BUHLE POWER

Best high frequency inverter





Overview

What is the most efficient inverter?

The most efficient was the Series Resonant Converter (SRC). The diagram is depicted in Fig. 3. This topology can be controlled by the phase shift of the inverter legs or by a variable switching frequency. For the first solution, closed loop operation is required in order to control the power and to balance the currents and the voltages.

What is a high frequency inverter?

A high frequency inverter is a type of UPS (Uninterruptible Power Supply) that uses a microprocessor as its process control center. It employs software programming to control its operation, unlike traditional analog circuits.

Should you choose a low frequency or high frequency inverter?

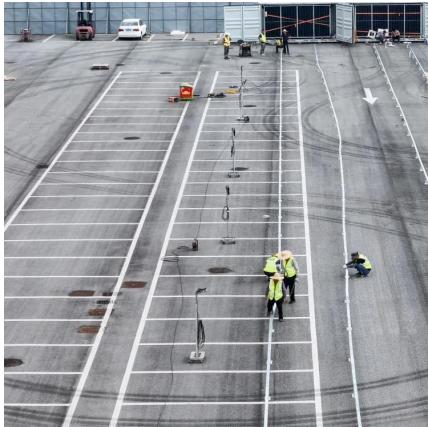
For applications that require high power quality and are sensitive to the electromagnetic environment, you can choose an Low Frequency inverter; while for applications that require portability, high efficiency and fast response, High frequency inverters are more advantageous.

Does a high frequency inverter need a battery converter?

A high-frequency inverter will typically have a separate battery voltage converter configured. When the mains power is normal, the battery converter reduces the bus voltage to 800V. In case of mains failure or overrun, the battery pack voltage converter raises the high bus voltage to 800V.



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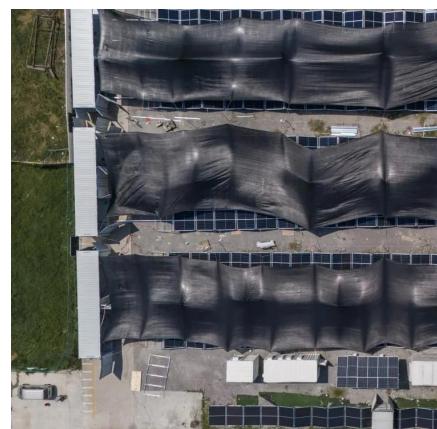
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