

Advantages and disadvantages of pure high frequency inverter





Overview

What are the advantages and disadvantages of high frequency inverter?

The advantages of a high frequency inverter include light weight, small size, small standby power, and high efficiency. However, its disadvantages are a relatively complex circuit, weaker load capacity, and lower impact resistance compared to low frequency inverters. Nevertheless, technological advancements are continually improving the load capacity of high frequency inverters.

Are high-frequency inverters a good choice?

Due to the use of high-frequency switching technology, high-frequency inverters have the advantages of small size, lightweight, and high efficiency, but they also have the problem of relatively poor output waveform quality.

Are power frequency inverters good?

In contrast, power frequency inverters can maintain high efficiency and stability under heavy load or overload. Output waveform quality: The output waveform quality of power frequency inverters is usually better than that of high frequency inverters.

What is the difference between low frequency and high frequency inverters?

The low frequency inverters typically operate at ~60 Hz frequency. To produce a sine wave output, high-frequency inverters are used. These inverters use the pulse-width modification method: switching currents at high frequency, and for variable periods of time.



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