

How to choose a sine wave inverter





Overview

What is a pure sine wave inverter?

Pure Sine Wave Inverter. A pure sine wave inverter produces electricity that closely mimics the smooth, wave-like shape of utility grid power. It is the most compatible with all types of household appliances, including sensitive electronics like refrigerators, microwaves, air conditioners, and LED TVs.

Why do you need a sine wave inverter?

The clean power produced by pure sine wave inverters reduces electrical component stress on your devices. Compressors, motors, and power supplies will experience lower wear and tear and ultimately prolong the life of your appliances and electronics. The long-term benefit most often outweighs the higher initial cost of the inverter. 6.

What is a modified sine wave inverter?

The modified sine wave inverters generate a rougher approximation of AC power, suitable for less sensitive devices such as lights, fans, or small kitchen appliances. They are more affordable than pure sine wave inverters, but may cause noise or reduced efficiency in sensitive equipment.

What equipment can a pure sine wave inverter work with?

Unlike modified sine wave inverters that can interfere with certain devices, pure sine wave inverters work properly with all types of equipment. This general compatibility includes sensitive medical equipment like CPAP machines, precision tools, variable speed motors, laser printers, and newer appliances with digital controls.



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