



SolarTech Power Solutions

Sine wave inverter capacity



Overview

Should you power up a pure sine wave power inverter?

Now let's talk about inefficiencies and that parasite draw. By just simply powering up the inverter, there is a no-load-draw, or what's commonly referred to as a parasitic draw coming off the battery pack. It is a good idea to power down the pure sine wave power inverter if you are not going to be using it.

What is DC to AC pure sine wave inverter?

An inverter is a device that converts DC power into AC power. Due to its capability of delivering high-quality power similar to grid supply, dc to ac pure sine wave inverter is commonly used for sensitive electronic devices that require stable power. Selecting the right size of a power inverter involves considering the following factors:.

What is a pure sine wave inverter?

A pure sine wave inverter replicates the clean and smooth flow of power you get from your utility company, suitable for sensitive electronics and all AC electric devices, whereas a modified sine wave inverter has a more block-shaped, abrupt flow, making it less ideal for sensitive electronic devices but generally more cost-effective.

Where can I buy a modified sine wave inverter?

BatteryStuff.com sells modified and pure sine wave inverters and inverter/charge combo units. Modified sine wave inverters are economical for running basic non-microprocessor devices like heaters, pumps, or power tools.

How does a sine wave inverter work?

When using true sine wave inverters, you're powering the sine wave inverter by connecting it to a battery or battery pack. Once the pure sine inverter is

turned on, it starts to invert the DC energy to AC regardless if a load is applied or not (I'll talk about this parasitic draw later).

How do I choose a sine wave inverter?

When choosing your sine waveform inverters, you need to make sure you are selecting an inverter that covers your total watt draw. Also be sure to account for a possible surge draw. Most devices such as laser printers, pumps and compressors take a lot more energy to get started, and it isn't always listed on the device.

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