

## SolarTech Power Solutions

# Is a sine wave outdoor power supply safe



## Overview

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Do you need a pure sine wave power source?

If you want to run your equipment exactly to the manufacturer's specifications, you must use a power source with a pure sine wave output. With pure sine wave, motor loads start easier and run cooler due to the reduced harmonics associated with the pure sine wave shape.

What is a sine wave power supply used for?

Stands out for its sine wave AC output, which helps protect appliances. Stands out for its sine wave AC output, which helps protect appliances. Compact inverter that can be connected to auto cigarette lighter plug or car battery.

Can a modified sine wave inverter make noise?

The use of modified sine wave inverters could introduce some noises from the AC input that might be coupled to the output depending on the power supply. While in some cases, the power supply for the audio amplifier might not be regulated or filtered.

Are modified sine wave inverters bad?

There are two major things at which a modified sine wave inverter is very bad. Firstly, these inverters are not good at powering devices that require pure AC and other devices like a radio that suffer from noise interruptions.

Which devices are most likely to be affected by a modified sine wave?

Devices that are most likely to be affected by a modified sine wave include those with microprocessors or digital circuitry, such as computers, audio and video equipment, and other sensitive electronics.

Can a modified sine wave inverter run a refrigerator?

Old tube televisions, phone chargers, and water pumps work well with the

modified sine wave inverter. However, all those appliances that use AC motors such as compressors, microwaves, and refrigerators may not run efficiently on a modified sine wave inverter. Besides this, some fluorescent lights may not glow much brightly with this inverter.

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