

Benefits of Pure Sine Wave Inverters

Like utility supplied power, the output voltage wave form is smooth and produces a current virtually identical to utility power, with very little harmonic distortion.

Pure sine wave can reach a higher voltage level, which causes the load to perform better than modified sine wave can provide.

The corners on modified sine wave can cause significant harmonic distortion and interference.

Many devices rely on a pure sine wave to time their operation based on counting the times the waves passes through zero voltage. The "plateau" of the modified sine wave at zero voltage means that the device thinks this wave is passing once through zero voltage, but in reality, it stays at zero voltage for a longer period of time. This effect can trick loads and result in poor performance, higher temperature stresses on circuits, and shorter product lifespan.

Modified Sine Wave has a lower peak voltage and higher interference effect on loads, causing the product it powers to run hotter than designed.

01 Pure Sine Wave

This is much better for motor loads, which run better, quieter and cooler on this type of wave.

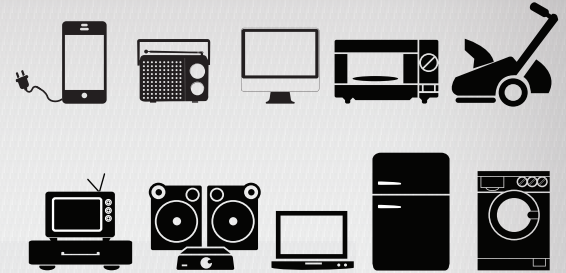
02 Modified Sine Wave

Disadvantages of Modified Sine Wave inverters



Modified Sine Wave Inverters can cause electronics to build more heat and decrease performance, reduces the lifespan of sensitive electronics and can cause computers to crash or printers to print irregularly.

We recommend using a pure sine wave inverter for powering the following:



Advantages

- Improved charging**, longer battery life and longer device life on items with lithium batteries (cell phones, computers, cameras).
- Products with electric motors like blenders, fans, power tools and vacuums will run **more efficiently & quieter**.
- Reduce electrical noise** on televisions, lamp lights won't flicker, stereos will produce better sound and printers will produce better looking documents.

For all of today's modern power needs, Nature Power has created the MOST sophisticated, cost effective, HIGH QUALITY Pure Sine Wave inverter solution.

Choose one of the Nature Power PSW inverters to precisely replicate the electricity supplied by utility companies.

THE POWER OF NATURE IN YOUR HANDS



Intertek
Certified to UL, CSA & ETL standards.

Item #	Description	Surge Capacity	L x W x H
A	38304 400 WATT PURESINE 12V INVERTER	800 WATTS	6.5 x 4 x 2.75 in
B	38310 1000 WATT PURESINE 12V INVERTER	2000 WATTS	15.5 x 8.75 x 4.25 in
C	38320 2000 WATT PURESINE 12V INVERTER	4000 WATTS	16.3 x 9.1 x 4.3 in
D	38330 3000 WATT INVERTER CHARGER	6000 WATTS	15.4 x 13.4 x 7.8 in
*	38326 2000 WATT PURESINE INVERTER + 55AMP CHARGER		15.5 x 8.75 x 4.25 in