

# Output adjustable sine wave inverter





## Overview

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What is pure sine wave inverter?

This Pure Sine Wave Inverter is a combination of an inverter, battery charger and AC auto-transfer switch. High transfer efficiency is above 90%, , complete isolate surge interference of input & output's voltage and current, Impact resistance, super load capacity, built-in AVR stabilizer, continuous stable pure sine wave output.

What is a modified sine wave inverter?

These resulting waves are what we call 'modified' sine waves, because the corners are curved, but they still remain quite 'square' in actuality. In contrast, the output of a 'true' sine wave inverter is close to exactly the same as the AC power we get in our houses.

How to generate a pure sine wave output from an inverter?

We use the Sinusoidal Pulse Width Modulation (SPWM) technique to generate a pure sine wave output from the inverter. We use the PIC16F877A microcontroller to generate SPWM. Then, feed these SPWM waves to the MOSFETs of the H bridge.

Do appliances work with a modified sine wave inverter?

Some appliances and devices won't work with a Modified Sine Wave inverter. However, they are often used for tools and essential appliances. These inverters are usually less expensive, smaller, and don't handle industrial loads as well as a low-frequency inverter. As a result, they are more common in retail sales.



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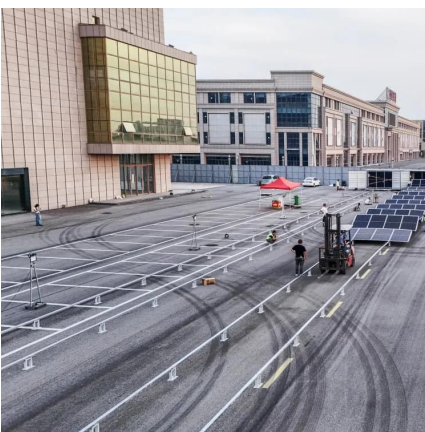
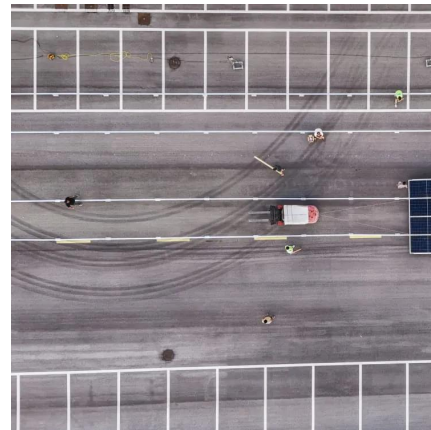


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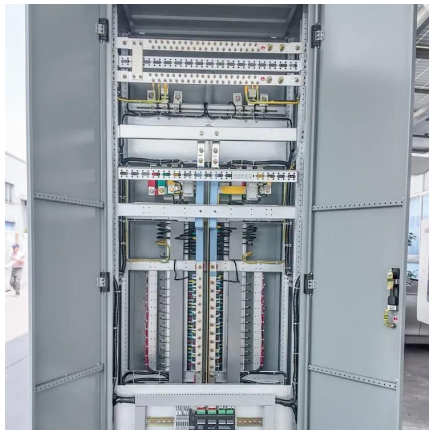
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### [Pure Sine Wave Inverter SN Series](#)

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SN-700USB SN-1000 SN-1500 SN-2000  
SN-1000LCD SN-1500LCD SN-2000LCD  
SN-2500LCD SN-3000LCD

### [500w Pure Sine Wave Inverter Adjustable Output Voltage ...](#)

Other attributes Place of Origin Zhejiang, China  
Model Number GD-IT-C008-500W Brand Name  
GIDEON Input Voltage 12V/24V Output Voltage  
110V/220V Output Current / Output ...



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