

# **Inverter component igd800a12v**





## Overview

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What are the components of an inverter?

Electronic Components Power Semiconductor Devices: These are the heart of the inverter. The most common types are IGBTs (Insulated Gate Bipolar Transistors) and MOSFETs (Metal-Oxide-Semiconductor Field-Effect Transistors). They switch on and off rapidly, controlling the flow of electricity and converting DC to AC.

What is a power inverter?

All trademarks are the property of their respective owners. Power inverter is a device that converts electrical power from DC form to AC form using electronic circuits. Its typical application is to convert battery voltage into conventional household AC voltage allowing you to use electronic devices when an AC power is not available.

What are the components of a Gao Tek inverter?

Below are general answers on typical components of inverters from the list of GAO Tek's: inverters Electronic Components Power Semiconductor Devices: These are the heart of the inverter. The most common types are IGBTs (Insulated Gate Bipolar Transistors) and MOSFETs (Metal-Oxide-Semiconductor Field-Effect Transistors).

How much power does a new inverter have?

The new inverter features a wide input voltage range from 240 V DC to 475 V DC and offers a peak power of 120 kW at 400 VDC. To improve EMC, all of the inverter's electronics, connections and feedthroughs are installed in a shielded aluminum housing, which also integrates the liquid cooler on the underside.



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### [800VA Pure Sine Wave Inverter's Reference Design](#)

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### **MMG800K120U6HN.xls**

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