

# What is the use of inverter peak power





## Overview

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What is peak power in inverter?

Peak power is usually two to three times the rated power. The rated power is the power at which the inverter is stabilized over a long period, whereas the peak power is only used for short periods of high power demand. Learn More: [How does an inverter work](#) [What causes the inverter to overload?](#)

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When can an inverter start?

Because these inductive loads require a large current to start at the moment of startup, the appliance can start normally only when the inverter peak power is greater than the starting power of the appliance. Under normal circumstances, the peak power is equal to 2 times the rated power. 2. Different types of load.

How long does an inverter peak power last?

A: The peak power of an inverter generally only lasts for a few seconds, usually between 1 and 5 seconds, depending on the model and design. It is designed to cope with transient surges when an appliance starts, not for long periods. Understand the key differences between inverter peak power and rated power.

How much power does a 500W inverter have?

For a 500W motor, the power impact is between 1500W and 3500W. Inverters generally have inverter peak value that is 2 times the rated power, that is to say, a 500W inverter has an instant power output of 1000W, and a 1000W has a peak output of 2000W. But on the other hand, it does not mean that all motors have 7 times the peak value.



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### Useful guide to inverter peak power and how to choose an inverter

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