

What is inverter peak power?

1. What is inverter peak power Peak power,also called peak surge power,refers to the maximum power that the power supply can achieve in a short period of time,which usually only lasts about 30 seconds. Under normal circumstances,the peak power of the power supply can exceed about 50% of the maximum output power.

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

What is the difference between rated power and peak power?

Rated power is continuous output power, which refers to the power that the inverter can keep working for a long time. Inverter peak power also means the starting power, which is generally twice the rated power, mainly used to meet the instantaneous peak value when individual household appliances are started.

How to choose an inverter?

When choosing an inverter,its power should be higher than the starting power of the household appliances used. This is because of the impact capability of the appliance at the moment it is turned on. The impact only appears on inductive or capacitive appliances.

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.

What does rated power mean in a power inverter?

Power inverters come in many specifications,which usually include rated power and inverter peak power. Rated power is continuous output power,which refers to the power that the inverter can keep working for a long time.

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