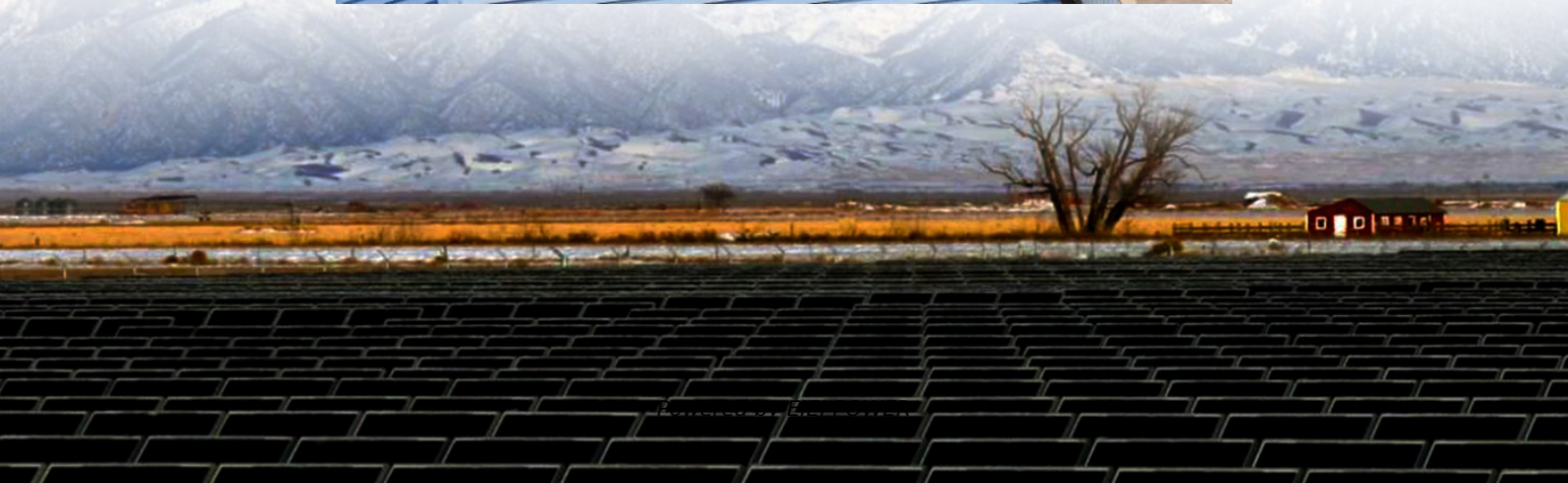


The real-time power of the inverter is greater than the rated power





Overview

What do kW and kVA mean in inverter specifications?

kW refers to the real or usable power output of an inverter. kVA represents the total power capacity it can carry, including power lost in phase difference (reactive power). For example, an inverter rated at 10 kVA with a power factor of 0.8 can only deliver 8 kW of real power.

What is rated output power of inverter?

The rated output power of inverter is the continuous output power, which refers to the output power of the inverter under the rated voltage current. It is the power that can be continuously and stably output for a long time.

What happens if an inverter overloads?

If the total load exceeds this value, the inverter will be damaged due to constant overloading. What is Peak Power?

Peak Power, also known as Surge Power, represents the maximum power value that the inverter can deliver in a short period (usually 0.5~5 seconds).

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?](#)



The real-time power of the inverter is greater than the rated power



What is the difference between rated power and peak power of inverter?

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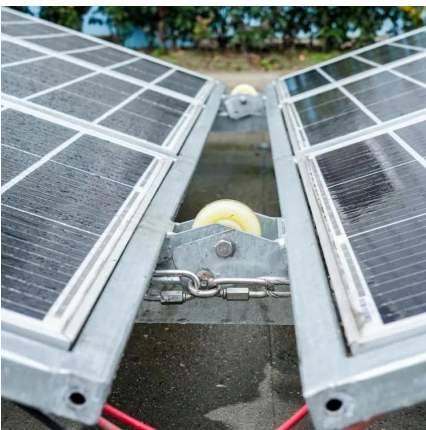
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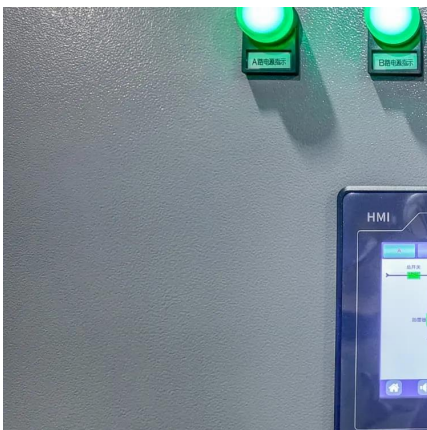
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