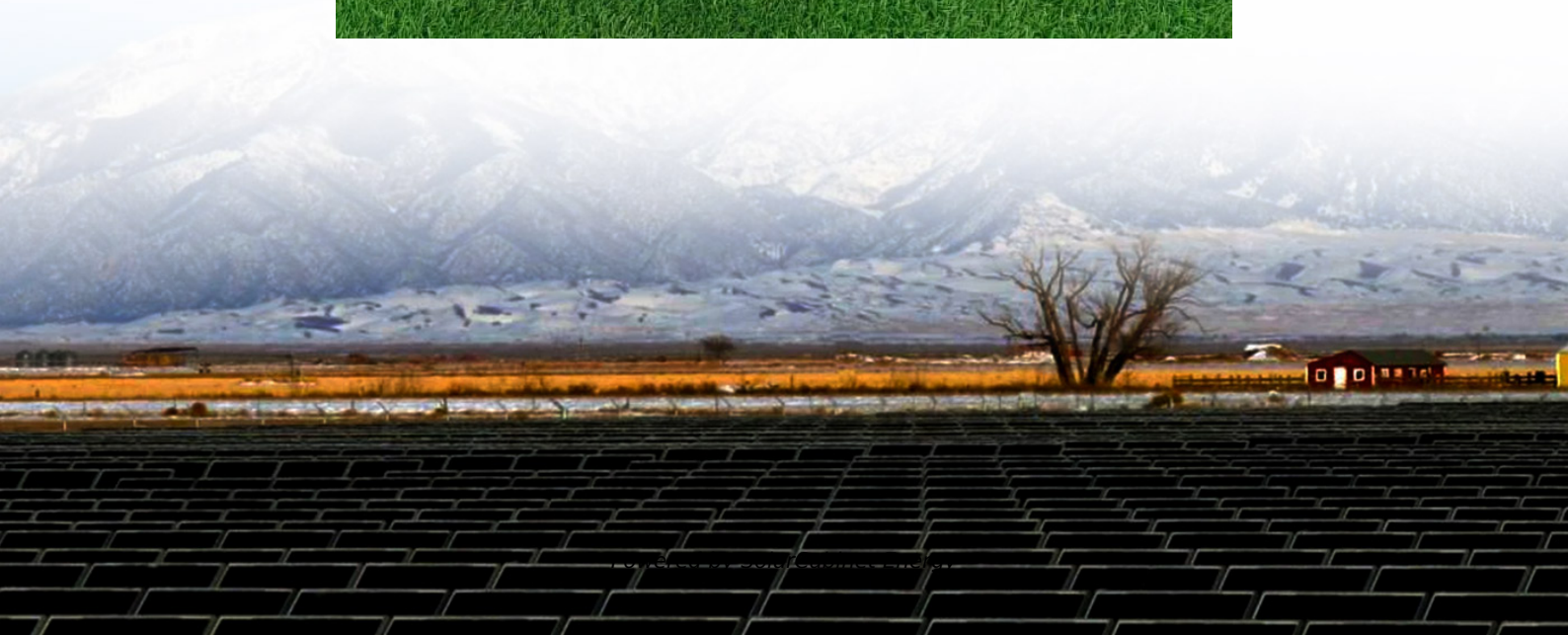


AC DC dual-purpose inverter





Overview

What is a dual inverter AC system?

These troubles are alleviated by the dual inverter AC system, which soothes you quickly on an exhausting afternoon while having maximum power efficiency. In a dual inverter AC, twin rotary compressors move periodically and have a 180-degree phase difference between their time periods.

What is a DC to AC power inverter?

The transition of DC to AC power is called an inversion, while the less common AC and DC transition is called a conversion. Both have different energy flows, but a DC-to-AC power inverter is sometimes necessary for a household. The typical electricity supplied to homes is 120v-240v in AC.

How much power does a dual inverter AC use?

Unlike regular inverter air conditioners, it doesn't have a fixed tonnage per unit. Instead, it customizes the unit according to your room's needs. Thus, if you buy an 8-ton dual inverter AC, it'll function at its full capacity of 8 tons during hot summer afternoons and use up more power.

Why is a dual inverter AC better than a regular AC?

Thus, a higher tonnage means that the air conditioner drains more power and cools a larger space in the same duration as a lower-tonnage AC cools a small room. This is why a dual inverter AC is a game-changer. Unlike regular inverter air conditioners, it doesn't have a fixed tonnage per unit.

What is a dual converter?

As the name suggests Dual Converter has two converters, one converter works a rectifier (Converts AC to DC) and other converter works as an inverter (converts DC into AC). Both converters are connected back to back with a common load as shown in above picture. To learn more about Rectifier and Inverter, follow the links.



How a DC inverter works?

- AC power will always constantly reverse direction, normally at the frequency of 50 Hz or 60 Hz. By using the inverters, you can control the flow of DC electricity and make it mimic the AC. They apply the high-speed switching electronic devices to rapidly reverse the direction of the DC power source by turning it on and off.



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