



Guinea Home Hybrid Inverter

What is a hybrid inverter?

A hybrid inverter is essentially two inverters in one. It combines a solar inverter and a battery inverter into one simple unit. These advanced inverters use solar energy to power your home, charge a battery, or send excess energy into the electricity grid. Most hybrid inverters can also provide emergency backup power during a blackout.

How do I select a hybrid inverter?

When choosing a hybrid inverter, it's important to consider its capabilities and how they can be customized to suit your needs and preferences. To help you make an informed decision, consider consulting with an accredited solar and battery specialist like Jason Svarc, who has over a decade of experience in designing and installing solar and battery systems.

Is Sungrow a good hybrid inverter?

The Sungrow SH-RS series is a very popular single-phase hybrid inverter due to its numerous features, wide variety of sizes, high pass-through power rating, simple design, and affordability.

Can a hybrid inverter work with a HV battery?

Yes, most high-voltage hybrid inverters can work with a high-voltage (HV) battery, but they are often limited to the same brand as the inverter. HV batteries generally offer more continuous and peak power per kWh, which is useful if a high backup load power is needed.

What is the Sungrow SH-RS hybrid inverter?

The Sungrow SH-RS series is a popular single-phase hybrid inverter. It is known for its numerous features, wide variety of sizes, high pass-through power rating, simple design, and affordability.

What happens if a hybrid inverter goes off the grid?

When a hybrid inverter goes off the grid, it automatically disconnects from the electricity grid and provides instantaneous backup power. This process, known as islanding, has a changeover time of typically less than 30 ms (0.03 seconds).

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