

SolarTech Power Solutions

Solar off-grid inverter merchants



Overview

Should I buy an off grid inverter?

When purchasing an off grid inverter, you have to make sure it suits the size of your solar panel system. For example, if your solar panel array has a combined power of 5kW then a 5,000 W inverter should be just right for it. Consult with the manufacturer when in doubt and read the guidelines.

What is a solar off grid inverter?

Solar off grid inverter also gives the owner an option to monitor the functionality of the whole system. Besides, inverters can act as power output maximizers: they track the voltage of panels and identify the optimum operational power for the whole array. How is an off-grid inverter different from a grid-tied inverter?

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Do You need A microinverter for an off grid system?

Microinverters make a system more efficient and don't occupy a lot of space. That is why a lot of homeowners prefer microinverters for off grid systems. The size of a solar inverter is usually measured in Watts. When purchasing an off grid inverter, you have to make sure it suits the size of your solar panel system.

What is an off-grid solar inverter in Gauteng?

Off-grid solar inverters in Gauteng are best suited for people who want to be completely off the Eskom grid and be self-efficient, or for people who do not have access to Eskom's electricity grid. A fully installed off-grid solar system in Gauteng can be pricey but, it can save large amount of money in the long term.

Can you use a grid-tie inverter for an off-grid solar PV system?

You can't use a grid-tie inverter for an off-grid solar PV system. It can easily damage the whole system and here is why. Grid tied inverters have a control device to match the inverter cycles with the utility grid cycles. They need to be in phase, otherwise the voltages will cancel each other out.

Do off-grid solar systems work if the power grid is not working?

The thing is that off-grid solar systems aren't connected to the electricity grid, so they will continue working even if the public power grid is not functioning. However, this is only achievable with reliable solar equipment, such as a good off grid inverter. PV modules use the solar power and turn it into direct current (DC).

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