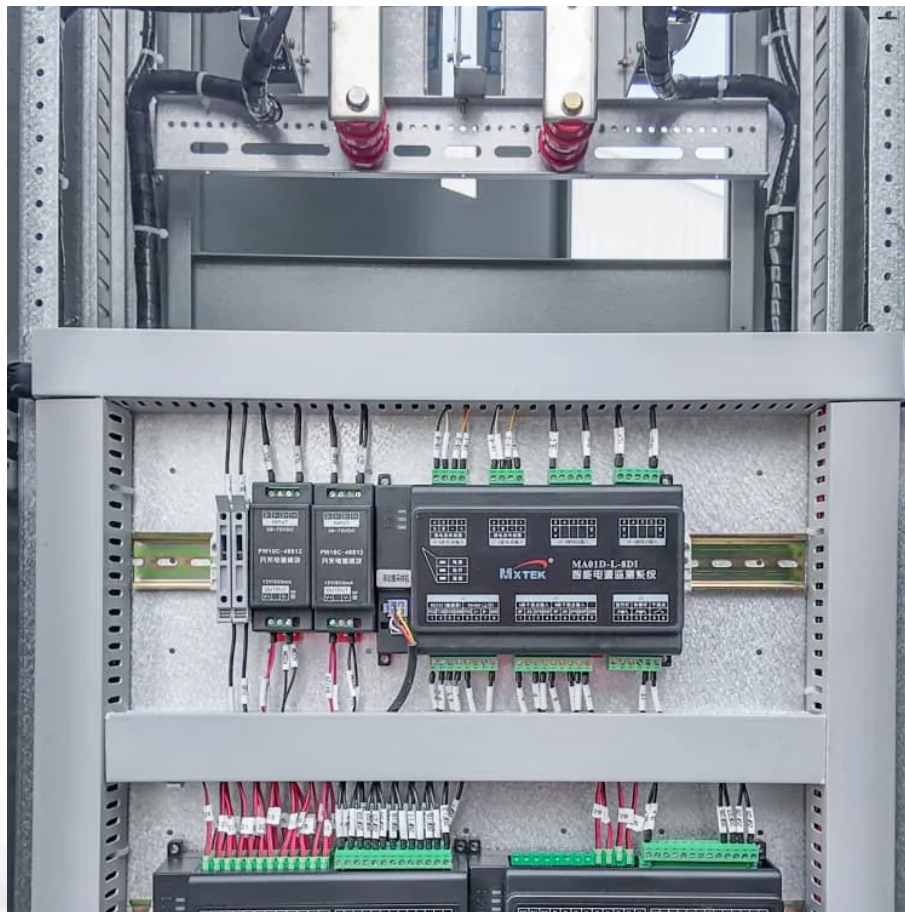


Solar energy source available for outdoor use both on and off- grid





Overview

Should I Choose an off-grid or on-grid Solar System?

Choosing between off-grid and on-grid solar systems depends on your energy needs. Off-grid systems offer independence but need batteries for storage. On-grid systems connect to the utility grid, providing backup and cost savings. Consider your location, budget, and energy goals. Both systems help reduce carbon footprints.

What is an on grid Solar System?

An On Grid Solar System connects directly to the utility grid, allowing you to use solar energy while staying linked to the main power supply. This system ensures a seamless flow of electricity between your solar panels and the grid. When your solar panels produce more energy than you need, the excess electricity flows back into the grid.

Which components are used in off-grid solar systems?

Components employed in off-grid systems – Solar Panel array, batteries and inverters Use Cases – They are viable for agricultural lands, industrial properties, rural and remote areas and construction sites. Hybrid systems are solar systems that are dependent on the grid and can also accumulate extra electricity in a storage unit.

How does an on-grid solar system work?

An on-grid solar system connects directly to the local utility grid. This connection ensures a continuous power supply. During sunny days, the system generates electricity from solar panels. If the solar energy is more than the consumption, the excess energy is fed back to the grid.

What is an off-grid Solar System?

Off-grid systems are ideal for remote areas without grid access. These systems provide independence and reliability by combining solar power with



battery storage. They are particularly useful for businesses in agriculture or mining, where consistent power is essential.

Why should you choose an on-grid Solar System?

If reducing costs is your primary goal, an on-grid solar system offers significant advantages. These systems have lower upfront costs because they do not require batteries. You can also benefit from net metering, which allows you to earn credits for excess energy sent to the grid.



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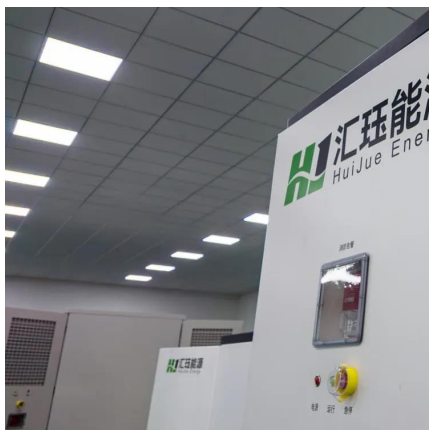
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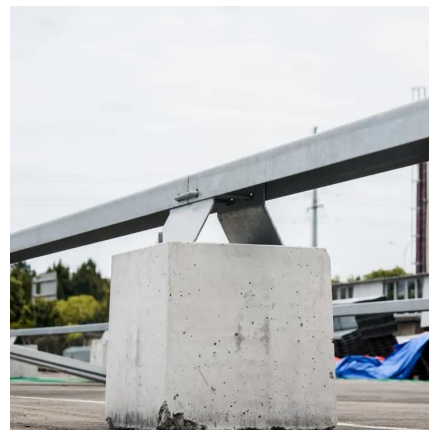
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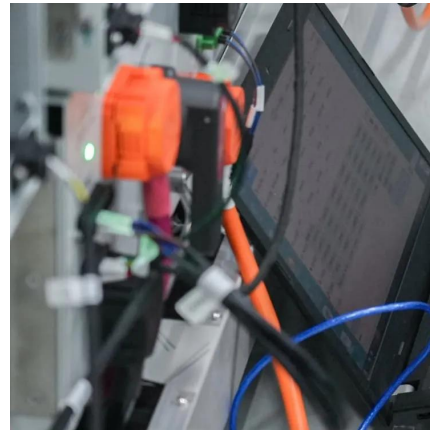
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FAST

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