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Solar Division

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Hybrid Inverter power solutions saving you money and alleviating the stress of an unstable energy grid supply.



What is a Hybrid Solar Inverter?

A hybrid solar inverter is the combination of a solar inverter and a battery inverter into a single piece of equipment that can intelligently manage power from your solar panels, solar batteries, and the utility grid at the same time.

A hybrid solar inverter converts the incoming DC into AC, while also sending any surplus DC power to store in a solar battery, or to be sold to the grid. When your stored energy is in demand, the electricity will then be inverted to AC to be used in your household.

We supply Deye single and three-phase hybrid inverters

Why do you need a solar battery?

Solar batteries store the excess energy generated by your solar panels, which may then be used to power your home during gloomy, rainy days, or after the sun sets.

If you want to be independent from the utility or don't have access to the grid, batteries give you the freedom to use your solar power exactly when you need it. This application is best for low-consumption buildings and/or for a building owner who wants to be sure they are running strictly on clean energy.

Batteries may also be installed without a solar system for use during emergencies, but the solar panels allow you to recharge the batteries even when the grid is down.

We supply Dyness and Enersol batteries.





What Is a Solar Panel?

A Solar panel (also known as "PV panels") collects clean renewable energy in the form of sunlight and converts that light into electricity which can then be used to provide power for electrical loads.

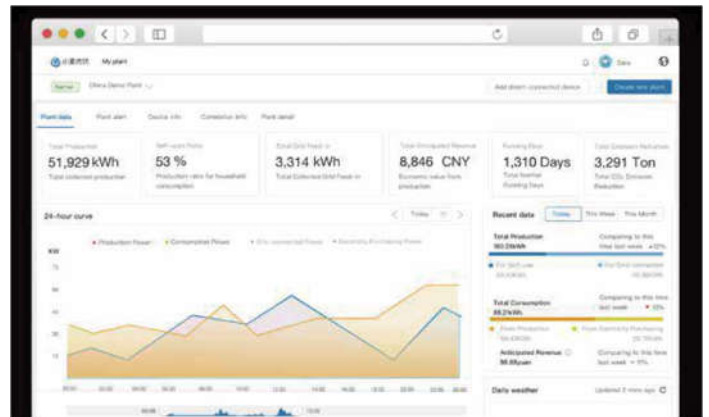
Advantages of Solar Energy

1. Solar energy is a renewable energy source and reduces carbon emissions.
2. Solar energy will reduce your home's electricity bill.
3. Solar power may get you money back through Solar Renewable Energy Credits.
4. Homes with solar panels installed may improve home value.
5. Solar panels have low maintenance costs.

We supply Canadian and JA Solar panels.

What is a Solar Monitoring System?

When you install a solar power generation system, you should be able to determine how well it is running. The best way to do that is through solar monitoring. A solar monitoring system will help you evaluate your solar power generation system's performance. It offers information about energy consumption and generation, optimizing energy usage, and damage to your solar system, amongst other data. It is important to monitor your solar setup to ensure that your solar panels are operating at the expected level they should be.



- SOLARMAN Smart is a brand new smart energy management application, which is specially designed for global household owner users.
- With full-on visual experience, user-friendly data display and all-round monitoring functions, SOLARMAN Smart makes smart energy management easier for everyone.
- More Flexible Management and Control

Our installation team are PV green card and SAPVIA certified. They have been professionally trained by HellermannTyton.

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