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Solar Power System

Find a huge selection of Solar Power System from China at Dwys Solar. In the current situation of global energy shortage and soaring prices, many countries have adopted preferential policies to encourage the development and application of solar energy technology. As a high-tech, solar power supply technology was first used in high-end applications such as aviation exploration.

Product Description

As a professional high quality Solar Power System manufacturers, you can rest assured to buy Solar Power System from Dwys Solar and we will offer you the best after-sale service and timely delivery.



In the current situation of global energy shortage and soaring prices, many countries have adopted preferential policies to encourage the development and application of solar energy technology. As a high-tech, solar power supply technology was first used in high-end applications such as aviation exploration. With the promotion of various countries, solar power supply technology has also developed rapidly, and solar power generation and solar power supply technology are increasingly entering civilian applications.

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The solar power system does not need water, oil, gas, or fuel when it works. Solar power system can generate electricity as long as there is light. It is a clean, pollution-free renewable energy source. It is easy to install and maintain, and has a long service life. It can be unattended and is highly appreciated by people.



Advantages of solar power system: Safe and reliable, no noise, no radiation, no fuel consumption, no mechanical rotating parts, low failure rate, long life;
Environmentally friendly and beautiful, not restricted by geographical location, short construction period, random scale, easy disassembly

and assembly, and convenient movement;

The solar power generation system consists of solar pannels, solar controllers, inverters, and batteries (groups).



Solar panels

This is the core part of the solar photovoltaic power generation system. Its main function is to convert solar photons into electrical energy, thereby driving the load to work. Solar cells are divided into monocrystalline silicon solar cells, polycrystalline silicon solar cells, and amorphous silicon solar cells. Since monocrystalline silicon cells are more durable than the other two types, they have a longer service life (generally up to 20 years)



Solar System Controller

Its main job is to control the state of the entire system, and at the same time protect the battery from overcharging and overdischarging. In places where the temperature is particularly low, it also has a temperature compensation function.



Inverter:

It is a device that converts the direct current provided by the solar cell array and the storage battery into alternating current, and is a key component of the photovoltaic grid-connected power generation system. Since solar cells and batteries are DC power sources, an inverter is essential when the load is an AC load. According to the operation mode, inverters can be divided into independent operation inverters and grid-connected inverters.



Batteries:

Its function is to store the electric energy emitted by the solar cell square array when it is illuminated and can supply power to the load at any time. In the solar grid-connected power generation system, the battery pack may not be added.