

Solar power generation equipment supporting system





Overview

What equipment do you need to go solar?

To go solar, you'll need solar panels, inverters, racking equipment, and performance monitoring equipment--at a minimum. Depending on where you live, you may also consider a solar battery. The components of a solar panel system are pretty simple.

What is rooftop solar energy?

Generating rooftop solar energy is a simple process in which solar panels convert sunlight into direct current (DC) power that can be delivered to a home's power system. However, most homes and businesses are wired to use alternating current (AC) power.

What is a stand-alone solar electric system?

A basic block diagram of a stand-alone solar electric system is show above. Here the electric power produced in the solar panel is first supplied to the solar controller which in turn charges the battery bank or supplies directly to the low voltage DC equipments such as laptops and LED lighting system.

What are the benefits of solar energy?

As a new energy source, solar energy has the advantages of environmental protection and sustainability, and it has no regional restrictions, can be used on-site, and designed to scale. Solar power generation is an important way to use solar energy.



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