

What is a solar cell system





Overview

What is a solar cell and how does it work?

The solar cells in photovoltaic (PV) panels capture photons from sunlight, and the balance of system (all the required components of a solar power system aside from the panels) converts solar energy into household (AC) electricity.

What are solar cells?

A Solar Panel, also known as a photovoltaic (PV) cell, is an electrical device that converts sunlight into electricity using the photovoltaic effect. When sunlight hits the cell, it excites electrons, creating an electric current. These cells are the fundamental building blocks of solar panels.

How does a solar power system work?

The solar cells in photovoltaic (PV) panels capture photons from sunlight, and the balance of system (all the required components of a solar power system aside from the panels) converts solar energy into household (AC) electricity. But how does the whole process work?

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What is a photovoltaic cell?

A photovoltaic cell is the most critical part of a solar panel that allows it to convert sunlight into electricity. The two main types of solar cells are monocrystalline and polycrystalline.



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