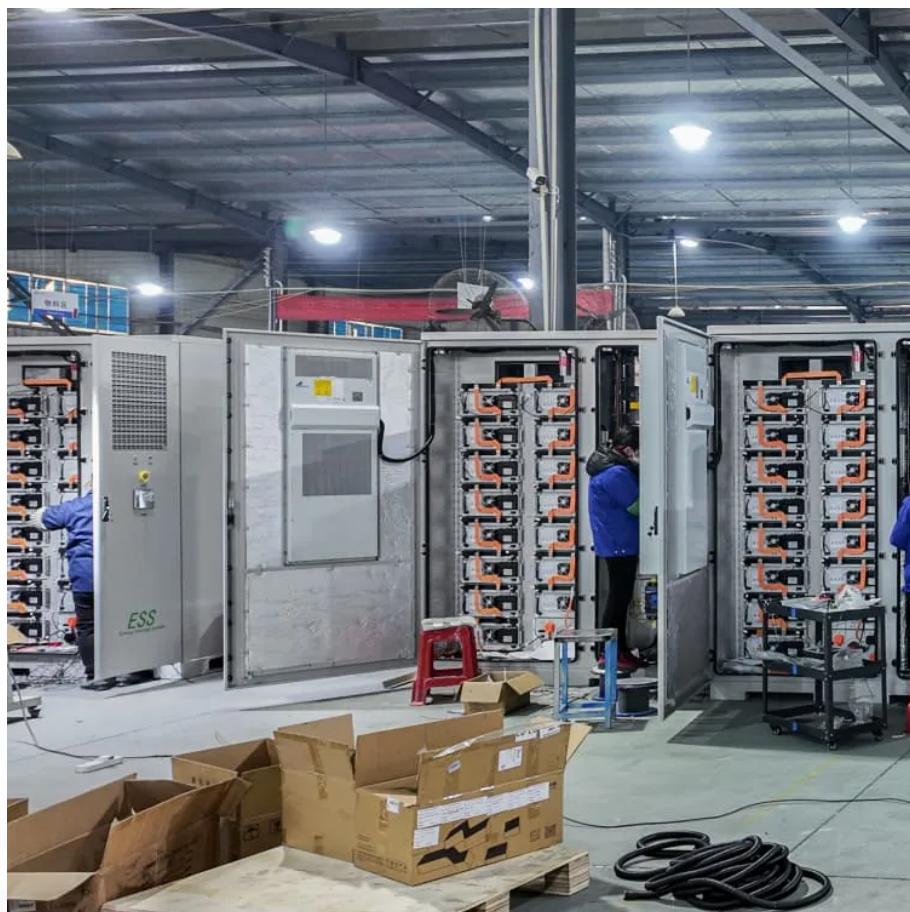




FTMRS SOLAR

Electricity obtained from solar energy system





Overview

How is solar energy generated?

Solar energy - Electricity Generation: Solar radiation may be converted directly into solar power (electricity) by solar cells, or photovoltaic cells. In such cells, a small electric voltage is generated when light strikes the junction between a metal and a semiconductor (such as silicon) or the junction between two different semiconductors.

How do solar power systems work?

Solar power technologies use sunlight to produce energy that can power homes, devices, and more. Two main methods are photovoltaic systems that transform sunlight directly into electricity and concentrated solar power systems that focus sunlight to generate heat. Photovoltaic systems are a common way of harnessing solar energy.

How does solar power turn sunlight into usable energy?

Understanding how solar power turns sunlight into usable energy is fascinating. Solar energy is harnessed through photovoltaic panels that convert sunlight directly into electricity. These panels, made up of solar cells, capture particles of light called photons, which then interact with the cells to generate an electric current.

How does a solar photovoltaic system produce electricity?

A solar photovoltaic system produces electricity directly from the sun's light through a series of physical and chemical reactions known as the photovoltaic effect. Let's examine each of these systems in more detail.



Electricity obtained from solar energy system

Solar energy

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