

SolarInnovate Energy Solutions

San Jose Solar Power Generation Electricity System

BMS Wiring Diagram



Overview

How is solar energy produced?

Solar energy is the light and heat that come from the sun. To understand how it's produced, let's start with the smallest form of solar energy: the photon. Photons are waves and particles created in the sun's core (the hottest part of the sun) through a process called nuclear fusion. The sun's core is a whopping 27 million degrees Fahrenheit.

Can a solar energy system run from the grid?

If you have a grid-tied solar energy system, electricity can run both to and from the power grid. If you live in an area with net metering, you can even earn electric bill credits from your utility company when you send excess electricity to the grid.

How does concentrated solar power work?

Concentrated solar power (CSP) works similarly to solar hot water in that it transforms sunlight into heat—but it doesn't stop there. CSP technology concentrates solar thermal energy using mirrors and turns it into electricity. At a CSP installation, mirrors reflect the sun to a focal point.

How do solar panels create electricity?

But if you want to explore how solar panels create electricity a bit more, we'll explain what you should know. Solar cells are typically made from a material called silicon, which generates electricity through a process known as the photovoltaic effect.

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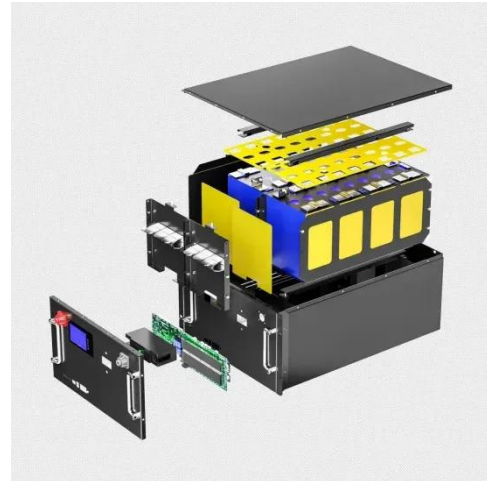
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