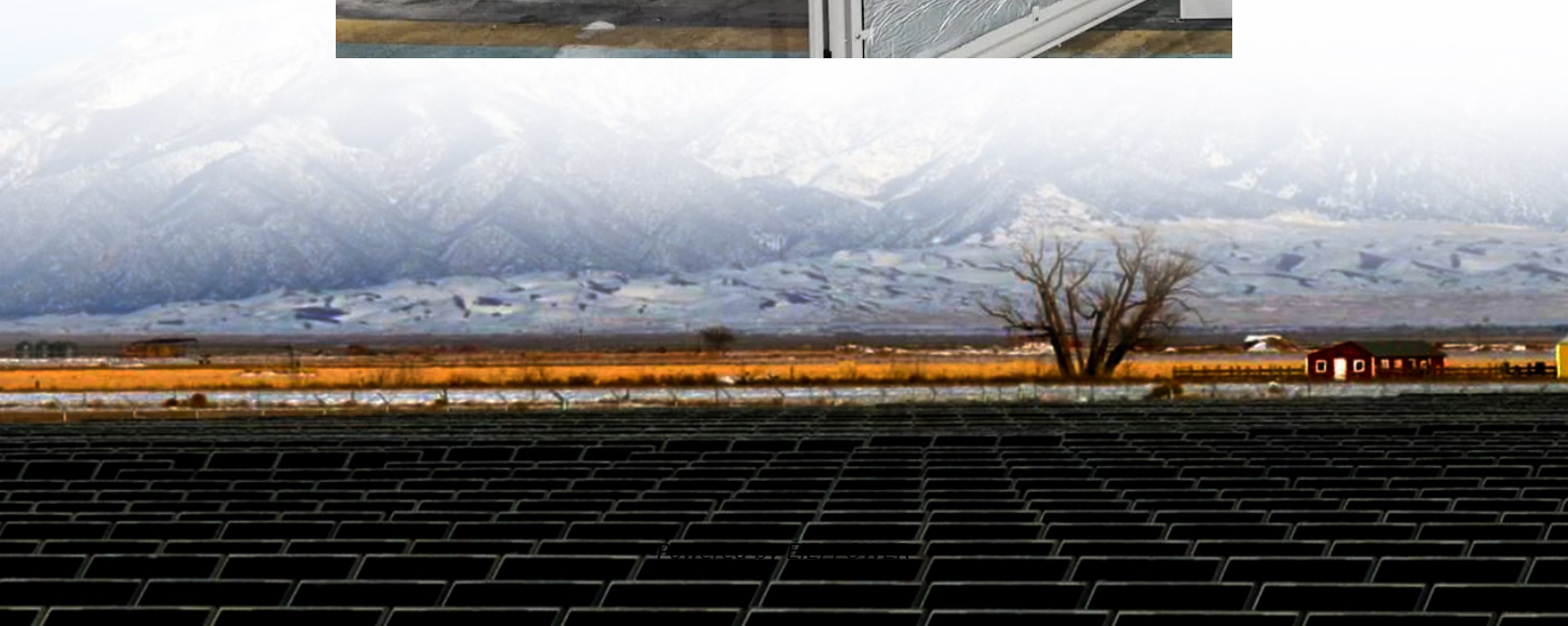


# How to make a solar container communication station EMS





## Overview

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What is Power Conversion System (PCS) and Energy Management System (EMS)?

**Power Conversion System (PCS):** Think of the PCS as the translator. It converts electricity between alternating current (AC) and direct current (DC), facilitating the charging and discharging of the battery. **Energy Management System (EMS):** The EMS is the brain of the operation.

What is EMS communication?

EMS communication refers to the exchange of data and instructions between the Energy Management System and various components within a BESS container. The EMS serves as the central intelligence hub, orchestrating the operation of batteries, inverters, monitoring devices, and other subsystems to achieve optimal performance objectives.

How do battery energy storage systems work?

In our journey toward a sustainable energy future, Battery Energy Storage Systems (BESS) play a pivotal role. They ensure that energy from renewable sources like solar and wind is stored efficiently and dispatched when needed. But have you ever wondered how the components within a BESS communicate to make this possible?

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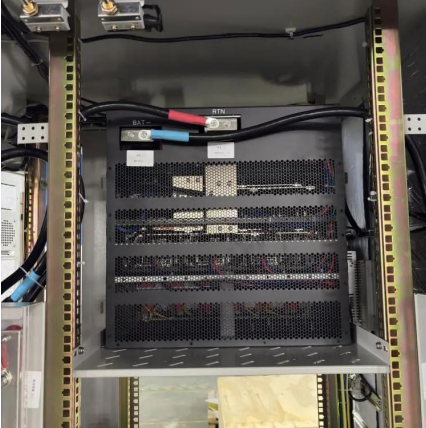
What is Energy Management System (EMS)?

The Energy Management System (EMS) is the "brain" of the energy storage cabinet. It is responsible for monitoring the operating status of the entire system and adjusting the operating mode and charging and discharging strategy of the energy storage equipment in real time. The main functions of EMS include:



## How to make a solar container communication station EMS

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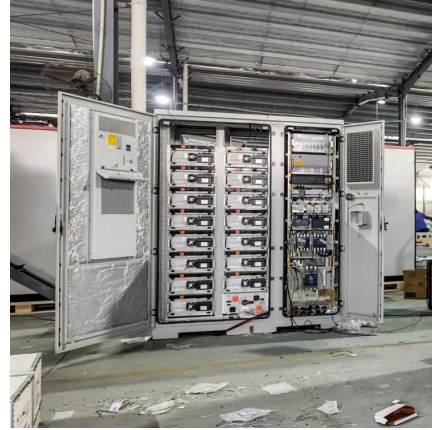


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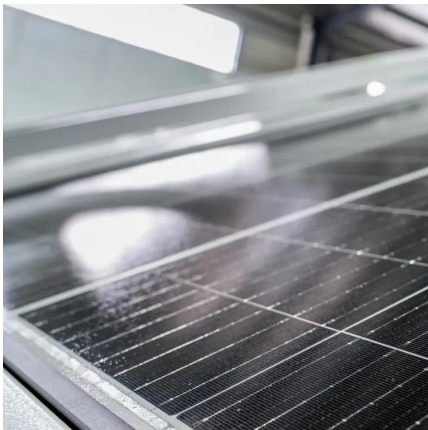
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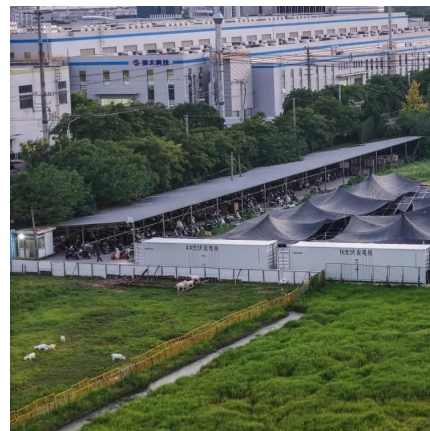


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