

# **Circuit design of power distribution cabinet for solar container communication station**





## Overview

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What is energy storage cabinet?

Energy Storage Cabinet is a vital part of modern energy management system, especially when storing and dispatching energy between renewable energy (such as solar energy and wind energy) and power grid.

Why do energy storage cabinets use STS?

STS can complete power switching within milliseconds to ensure the continuity and reliability of power supply. In the design of energy storage cabinets, STS is usually used in the following scenarios: Power switching: When the power grid loses power or fails, quickly switch to the energy storage system to provide power.

How to design an energy storage cabinet?

The following are several key design points: Modular design: The design of the energy storage cabinet should adopt a modular structure to facilitate expansion, maintenance and replacement. Battery modules, inverters, protection devices, etc. can be designed and replaced independently.

What is a 30kW photovoltaic storage integrated machine?

Among them, the 30KW photovoltaic storage integrated machine has a DC voltage of 200~850V, supports MPPT, STS, PCS functions, supports diesel generator access, supports wind power, photovoltaic, and diesel power generation access, and is comparable to Deye Machinery. The Energy Management System (EMS) is the "brain" of the energy storage cabinet.



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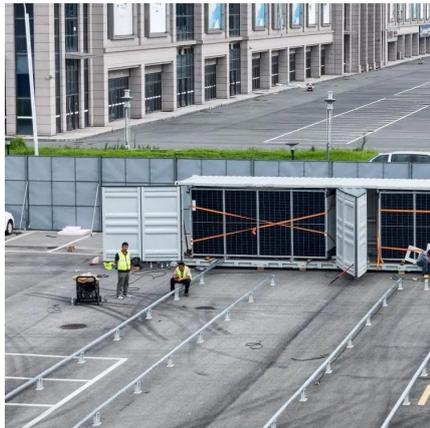
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