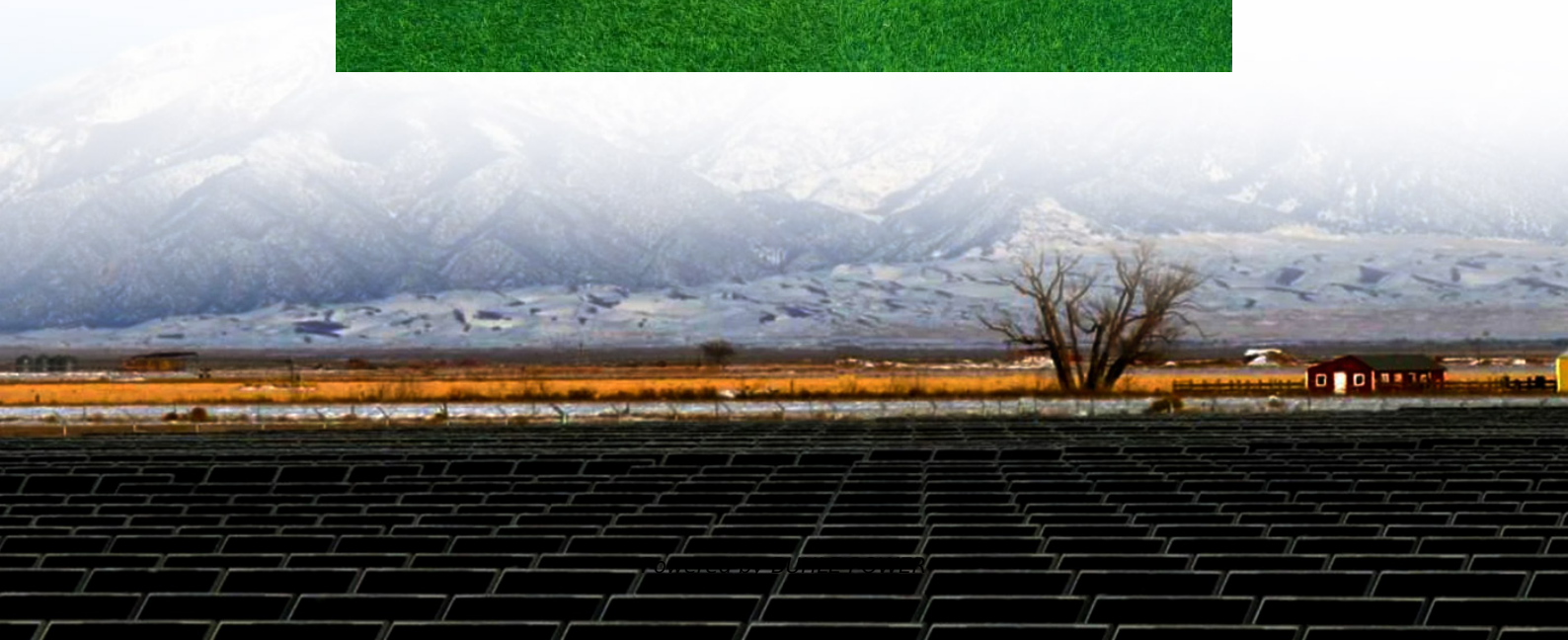


# Base station wind power source transformation plan





## Overview

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What is the largest grid-forming energy storage station in China?

This marks the completion and operation of the largest grid-forming energy storage station in China. The photo shows the energy storage station supporting the Ningdong Composite Photovoltaic Base Project. This energy storage station is one of the first batch of projects supporting the 100 GW large-scale wind and photovoltaic bases nationwide.

Can a base station power system model be improved?

An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters. And through this, a multi-faceted assessment criterion that considers both economic and ecological factors is established.

What is the capacity planning model for wind-photovoltaic-pumped hydro storage energy base?

A two-layer capacity planning model for wind-photovoltaic-pumped hydro storage energy base. Three operational modes are introduced in the inner-layer optimization model. Constraints of pumped hydro storage and ultra-high voltage direct current lines are considered.

Can a base station power system be optimized according to local conditions?

The optimization of PV and ESS setup according to local conditions has a direct impact on the economic and ecological benefits of the base station power system. An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters.



## Base station wind power source transformation plan

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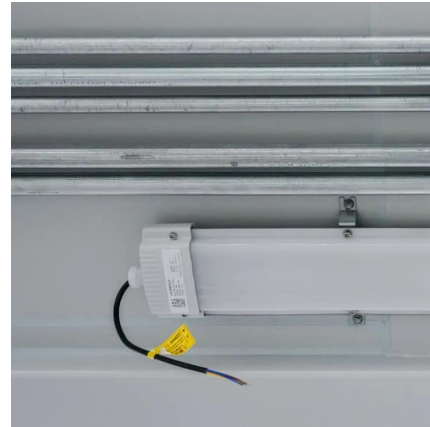
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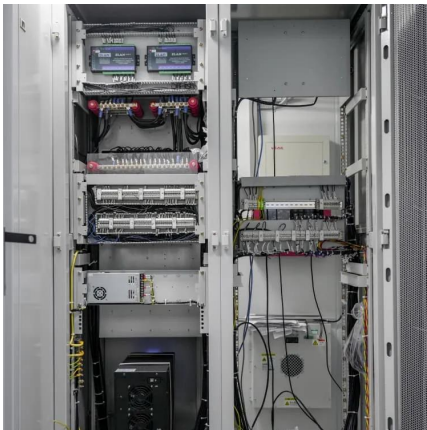
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