



BUHLE POWER

# Introduction to Dili Energy Storage Power Station





## Overview

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What is Dalian flow battery energy storage peak-shaving power station?

The Dalian Flow Battery Energy Storage Peak-shaving Power Station, which is based on vanadium flow battery energy storage technology developed by DCP, will serve as the city's "power bank" and play the role of "peak cutting and valley filling" across the power system, thus helping Dalian make use of renewable energy, such as wind and solar energy.

What are battery storage power stations?

Battery storage power stations are usually composed of batteries, power conversion systems (inverters), control systems and monitoring equipment. There are a variety of battery types used, including lithium-ion, lead-acid, flow cell batteries, and others, depending on factors such as energy density, cycle life, and cost.

How much electricity does Dalian power station use a day?

Based on China's average daily life electricity consumption of 2 kWh per capita, the power station can meet the daily electricity demand of 200,000 residents, thus reducing the pressure on the power supply during peak periods and improving power supply reliability in the southern region of Dalian.

Should energy storage power stations be scaled?

In addition, by leveraging the scaling benefits of power stations, the investment cost per unit of energy storage can be reduced to a value lower than that of the user's investment for the distributed energy storage system, thereby reducing the total construction cost of energy storage power stations and shortening the investment payback period.



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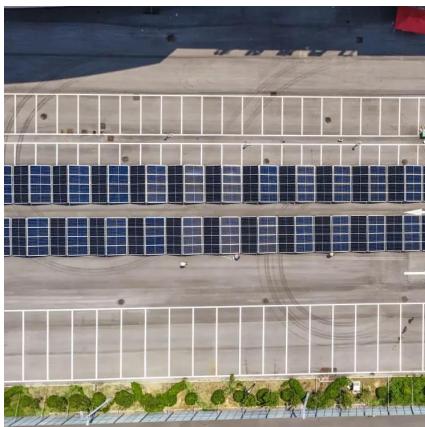
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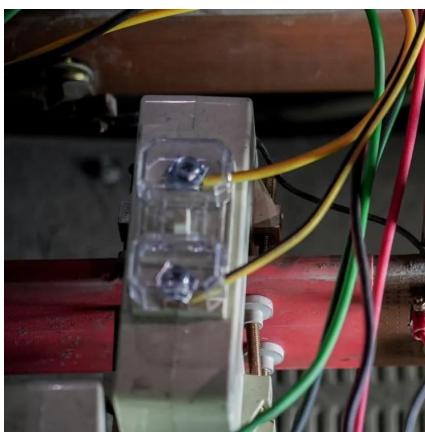
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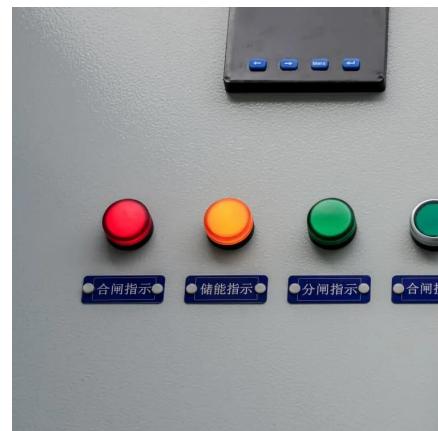


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