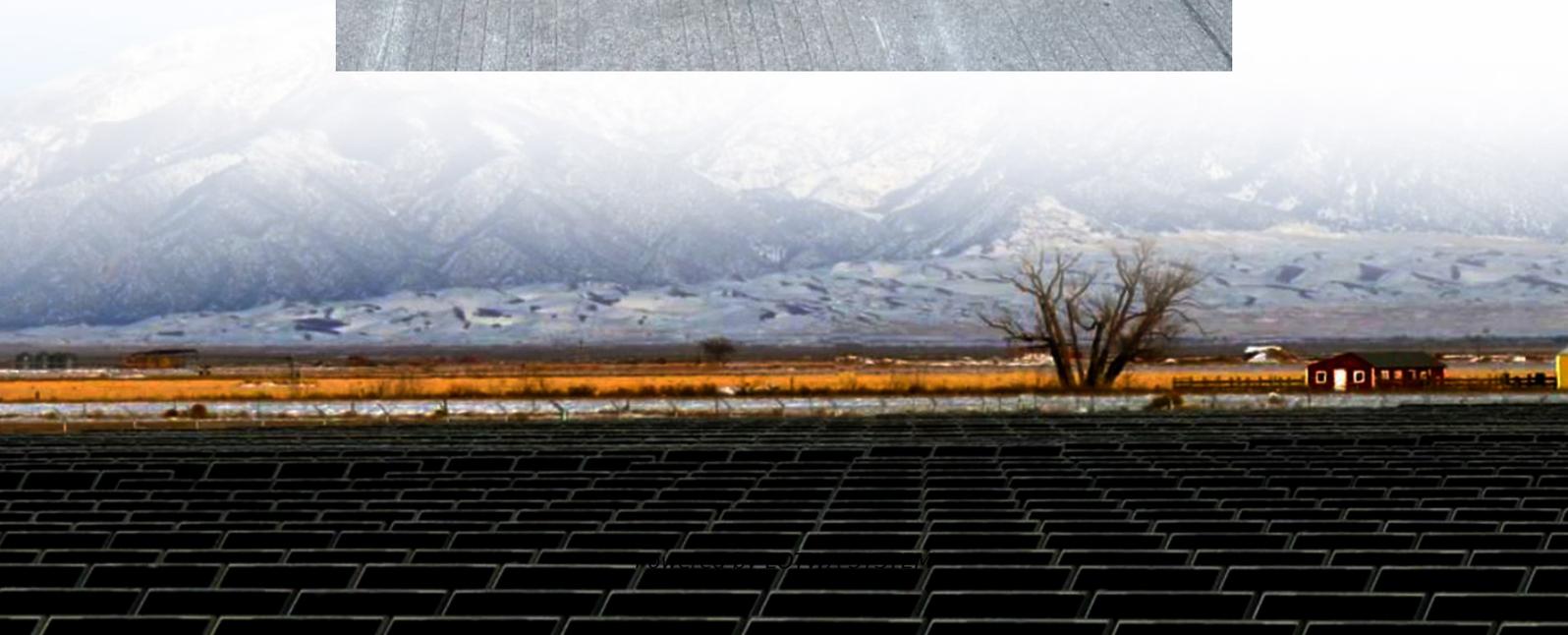


Profit model of energy storage peak-shaving power station





Overview

What is peak shaving in power system?

In the power system, the load usually shows “peak” and “valley” differences. It refers to the fact that the load is higher during certain times of the day and lower during other times of the day. In order to meet the peak demand, the power system needs to carry out peak-shaving.

Will energy storage become the second largest peak-shaving resource?

By 2030, the scale of energy storage will expand rapidly, becoming the second largest peak-shaving resource in addition to thermal power units, as shown in Table 1. With the abundance of peak-shaving resources and the development of power auxiliary service market, the optimization of peak-shaving cost of power system has become an urgent problem.

How do energy storage power stations work?

Driven by the peak and valley arbitrage profit, the energy storage power stations discharge during the peak load period and charge during the low load period. They play the role of “cutting peak and filling valley” and realize the full utilization of energy storage resources.

What is a profit model for energy storage?

Operational Models: From "peak-valley arbitrage" to "carbon credit monetization," the profit models of commercial and industrial energy storage are becoming increasingly diversified. These new models not only provide investors and users with more choices and opportunities but also drive the continuous development of energy storage technology.



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Energy storage station profit model

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