

Energy storage power station electricity price trading mechanism





Overview

Can energy storage power station be strategic charged?

In the 1-4 and 14-15 periods, the energy storage power station can be strategic charged to supplement the electricity consumed by its own discharge so that it can fully participate in the frequency modulation market and obtain the frequency modulation income.

What is energy storage transaction decision model?

According to the transaction framework, a two-layer transaction decision model of energy storage participating in electric energy market and frequency modulation market is constructed. The upper model is the energy storage power station transaction decision model, which is used to generate the optimal bidding strategy of each power station.

What is energy storage power station?

The energy storage power station under the conventional strategy participates in the electric energy market transaction for a long time, and the quotation fluctuation is small except for the peak power consumption in the evening.

Does trading strategy improve energy storage power station performance?

The result of the example showed that the return rate of the energy storage power station under the trading strategy in this paper was increased by 8.14% compared with that of the conventional strategy. The operation life is extended by 51.1%, which verifies the superiority of the trading strategy in this paper.



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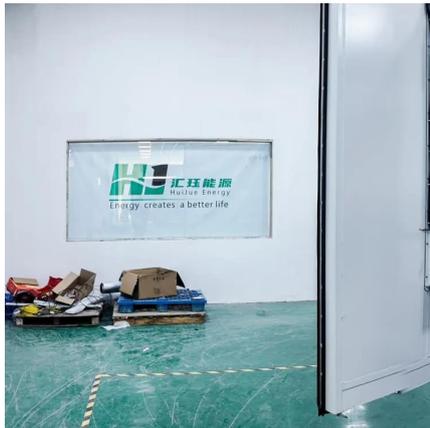
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