

Transaction price of power generation rights of energy storage power stations





Overview

Can energy storage power station bid successfully?

In the spot market environment, in the process of energy storage as an independent subject participating in market transactions, the bidding strategy of energy storage power station will become the key to whether it can bid successfully and obtain benefits [13, 14, 15].

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.

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 the charge and discharge efficiency of energy storage station?

The charge and discharge efficiency is 90%, and the maximum and minimum allowable power are 90% and 10% of the energy storage capacity, respectively. The daily load curve of the power system in which the energy storage station participates in the ancillary service is shown in Fig. 3.



Transaction price of power generation rights of energy storage power

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