

Power supply side energy storage profit model





Overview

Does the user-side energy storage system participate in a high reliability power supply transaction?

According to the above analysis, in order to fill the research gap of the user-side energy storage system participating in the high reliability power supply transaction, this paper first proposes a high reliability power supply transaction model between the user-side energy storage system and the power grid company.

Does a high reliability power supply transaction model improve energy storage capacity?

After considering the high reliability power supply transaction model, Method 2 proposed in this paper increases the capacity of the energy storage system to 44MWh, improving the endurance of the user-side energy storage system for supplying power to loads, and ensuring the supply of more loads in the same time.

Why is a user-side energy storage system important?

The user-side energy storage system can not only participate in the capacity market as a quick response resource for users to obtain benefits [3, 4], but also ensure users' power consumption according to the actual high reliability power supply scenario by taking advantage of its high flexibility, fast response speed and other characteristics .

How does the user adjust the investment behavior of the energy storage system?

The user adjusts the investment behavior of the energy storage system, and determines the proportion of high reliability power supply load and the charging and discharging depth strategy by configuring the rated capacity and rated charging and discharging power of the energy storage system.



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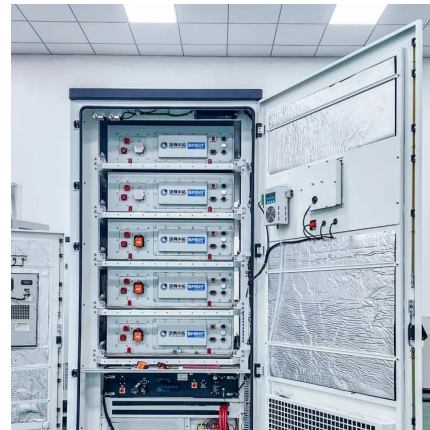


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