

# Functions of new energy storage on the user side





## Overview

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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 to optimize the energy storage system on the user-side?

In the optimization configuration of the energy storage system on the user-side in Fig. 6, it is necessary to consider the constraints of high reliability power supply tasks on the capacity of the energy storage system on the user-side, as well as the impact of its actual output on the objective function.

What is a user-side small energy storage device?

With the new round of power system reform, energy storage, as a part of power system frequency regulation and peaking, is an indispensable part of the reform. Among them, user-side small energy storage devices have the advantages of small size, flexible use and convenient application, but present decentralized characteristics in space.

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.



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Optimized scheduling study of user side energy storage in cloud energy

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Two-Stage Configuration of User-Side Hybrid ...

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What are the user-side energy storage scenarios? , NenPower

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