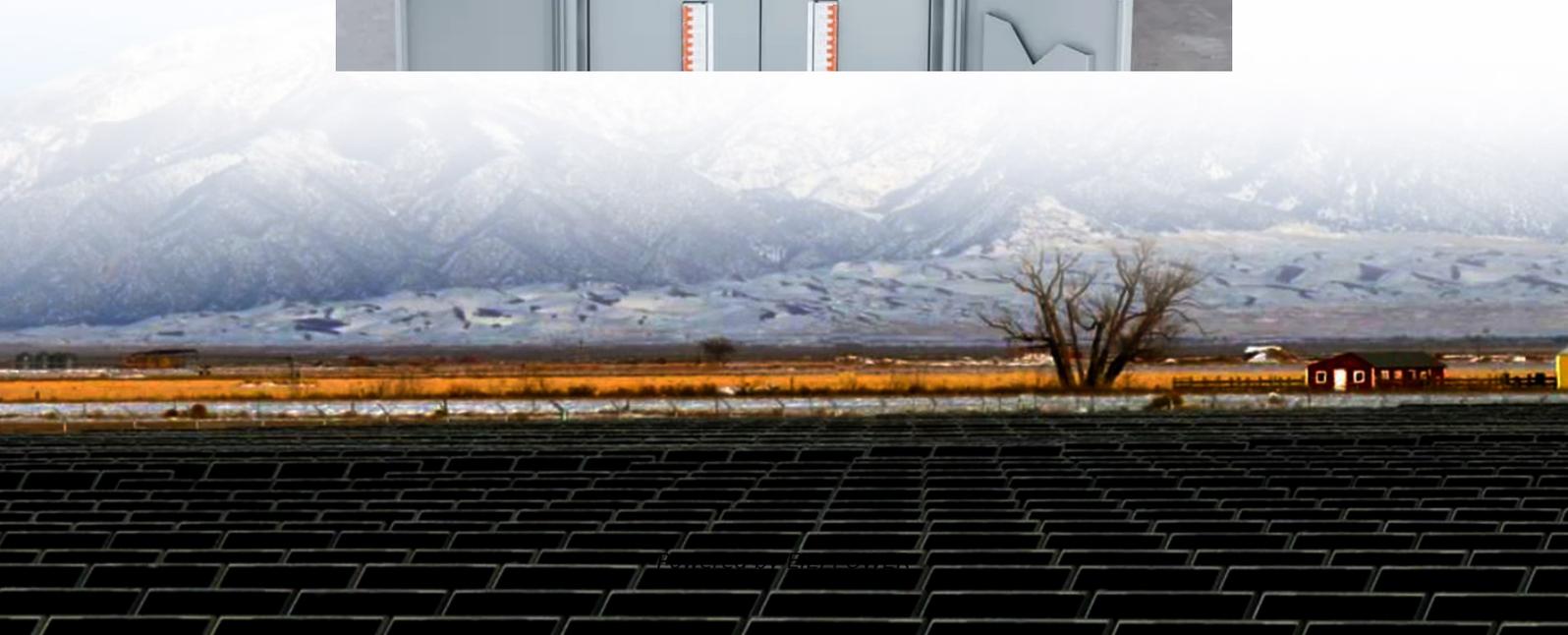


Kingston user-side energy storage device





Overview

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.

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 .

What is user-side energy storage?

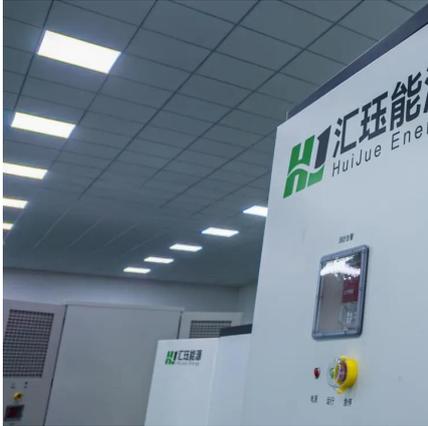
1. Introduction User-side energy storage mainly refers to the application of electrochemical energy storage systems by industrial, commercial, residential, or independent powerplant customers (which in convenience we call "firms").

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.



Kingston user-side energy storage device



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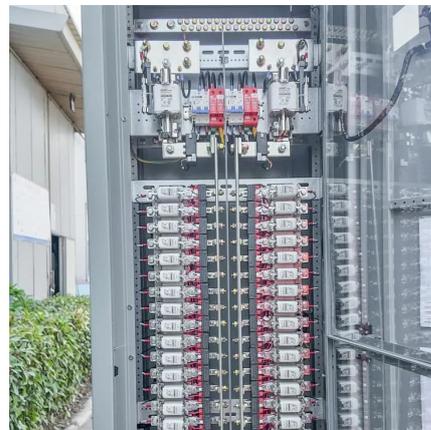
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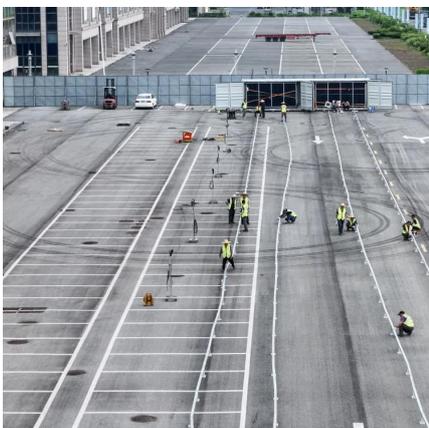
Dual-layer optimization configuration of user-side energy storage

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