

User-side energy storage power stations participate in peak load regulation





Overview

How is the load supplied by the superior power grid?

The load is supplied by the superior power grid separately from 01:00 to 05:00. During the period from 06:00 to 08:00, the load is transferred by the power flow. Period of 09:00 and during the period 18:00–19:00, the load is jointly supplied by the renewable energy, energy storage or/and power flow transfer.

Is energy storage a part of power system reform?

Scientific Reports 13, Article number: 18872 (2023) Cite this article 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.

When should a small energy storage device be submitted to a platform?

User-side small energy storage devices as well as the power grid need to be submitted to the platform before the day supply/demand power information. The platform side needs to sort out the total supply of power and total demand power information for each time period and release the information.

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.



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