



A-Core Container

**New energy projects supporting
energy storage for peak
regulation**



Overview

What is the implementation plan for the development of new energy storage?

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.

What is the peak regulating effect of energy storage after parameter optimization?

According to the generator output curve and energy storage output curve, the peak regulating effect of energy storage after parameter optimization is better than that without parameter optimization.

Can energy storage capacity configuration planning be based on peak shaving and emergency frequency regulation?

It is necessary to analyze the planning problem of energy storage from multiple application scenarios, such as peak shaving and emergency frequency regulation. This article proposes an energy storage capacity configuration planning method that considers both peak shaving and emergency frequency regulation scenarios.

What is the scope of energy storage in the PRC?

“[“
新电能存储设施规划和管理实施办法”](https://www.gov.cn/jrzq/2023-01-03/11475333.htm),” People’s Government of the PRC, 3 Jan 2023, at <https://www.gov.cn/jrzq/2023-01-03/11475333.htm> The scope includes two categories: dispatch-controlled new type energy storage and self-used new type energy storage by power stations.

Can new energy storage methods based on electrochemistry contribute to peak shaving?

New energy storage methods based on electrochemistry can not only

participate in peak shaving of the power grid but also provide inertia and emergency power support. It is necessary to analyze the planning problem of energy storage from multiple application scenarios, such as peak shaving and emergency frequency regulation.

Why do we need a hybrid energy storage system?

With the development of the renewable-dominated power system, the requirements for peak shaving and frequency regulation are increasing. A hybrid energy storage

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