

Grid-side energy storage cabinet cooperation model





Overview

What is a grid-side energy storage operator?

Regarding the operating model, the grid-side energy storage operator provides services to the grid, while the grid pays the energy storage plant operator for leasing the energy storage plant, which is the capacity tariff. The grid and energy storage operators often have conflicting interests as independent economic entities.

What is the capacity Tariff of grid-side energy storage?

Based on the capacity tariff calculation model of the Stackelberg game proposed in this paper, the capacity tariff of grid-side energy storage is 415.58 CNY/kW.

Who invests in grid-side energy storage projects in China?

In China, grid-side energy storage projects are primarily invested in and operated by the State Grid Integrated Energy Services Group Ltd. or third-party investors (Liu et al., 2023).

Does China need a capacity tariff mechanism for grid-side energy storage?

Therefore, it is necessary to use the capacity tariff mechanism to ensure that the basic income of the energy storage power station is conducive to the operation and survival of the development of energy storage in China at this stage. The Chinese government has proposed implementing a capacity tariff for grid-side energy storage.



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Grid side energy storage cabinet model

The model put forward in this study In this paper, the typical application mode of energy storage from the power generation side, the power grid side, and the user side is analyzed first. Then, ...

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