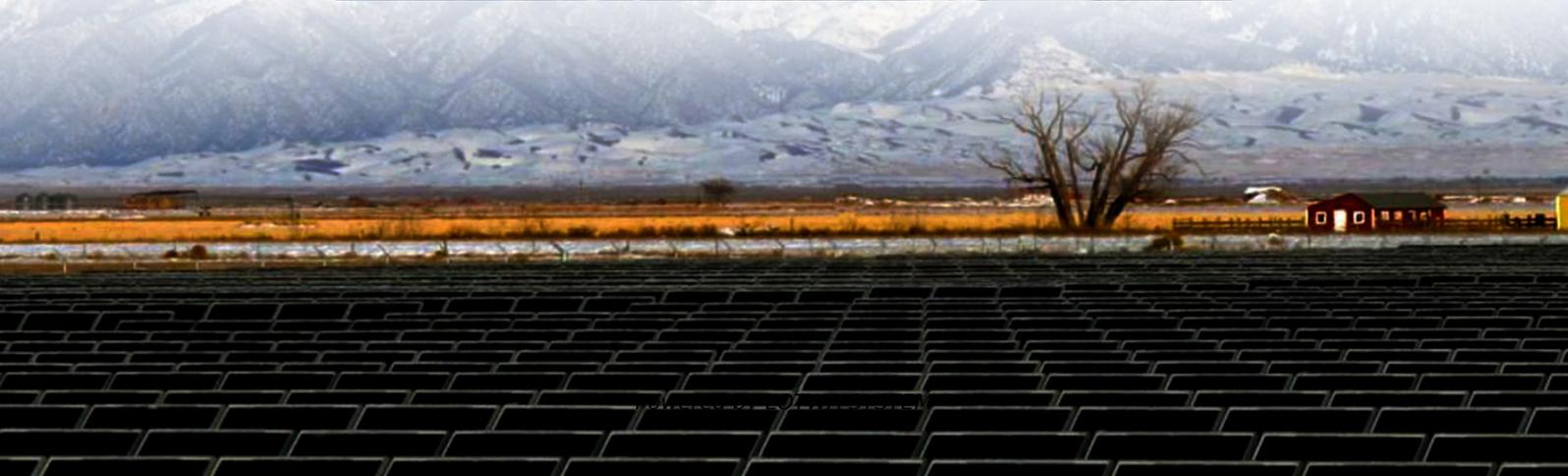


Grid-side energy storage is included in the transmission and distribution price





Overview

The capacity tariff corresponding to the government-approved pumped storage capacity tariff is paid by the grid enterprise and is included in the provincial grid transmission and distribution tariff recovery. What is grid-side energy storage?

The grid-side energy storage studied in this paper refers to the energy storage facilities deployed in the transmission and distribution segments of the power system. The position of grid-side energy storage in the power system is shown in Fig. 1.

How does the grid-side energy storage choose to charge and discharge power?

Charge and discharge power and state of charge of the grid-side energy storage. According to Fig. 7, it can be seen that the grid-side energy storage chooses to charge at the time of low and flat electricity prices and discharge at the time of peak electricity prices.

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.

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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