SourceNetworkEnergyStorageNewEnergyTechnology

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With the development of the new power system, the interaction among renewable energy, energy storage and flexible load has shifted from traditional "source-follows-load" to ...

With the rapid development of new energy and DC, new technologies such as energy storage are emerging, and the characteristics of power grids are becoming more and more complex. The ...

Firstly, the flexible application mode of energy storage in the source-network-load-storage area is analyzed.

Based on edge computing, this article put forward a strategy that aggregates multiple distributed resources, such as distributed photovoltaics, energy storage, and ...

In order to optimize the economic operation level of the active distribution network and improve the energy utilization rate, a layered coordinated intelligent control method of ...

Based on the application scenario, this paper explains how to use virtual power plant technology to participate in demand response power transaction, and describes the transaction rules and ...

To improve the stability of the microgrid and improve the ESS efficiency, this study proposes an adaptive forecasting-based (AFB) VIC method using probabilistic forecasts. The ...

In this paper, the techniques and methods involved in IES planning are summarized. First, the structure and characteristics of the IES are briefly introduced. Second, ...

To improve the stability of the microgrid and improve the ESS efficiency, this study proposes an adaptive forecasting-based (AFB) VIC ...

As the key technology of new auxiliary renewable energy generation, grid energy storage system has been widely used. This paper takes application scenario analysis as the basic theory, and ...

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