

Based on this, this paper first constructs the SOC output characteristic model of energy storage and considers the DLC and time-of-use price as well as different demand response types.

The framework should enable bidirectional information coupling and iterative evolution between planning and operation layers. Based on this, this paper proposes an integrated hierarchical ...

Abstract This paper proposes a planning model to enhance the flexibility coordination of source-grid-load-storage during power system transition.

Due to the climate problem caused by carbon dioxide emissions, the power industry, which accounts for a high proportion of energy activities, is gradually imple

Therefore, combined with national and regional policies and resource constraints in China, this paper firstly determines the requirements and boundary conditions of various power ...

Methods: This article proposes a two-stage wind-storage coordination planning method that considers source-load uncertainty. The approach is based on an improved antlion algorithm and ...

To address these issues, this paper proposes a multi-stage collaborative planning method for transmission networks and energy storage. This method considers the non-line substitution effect ...

This paper proposes a two-stage planning method for distributed generation and energy storage systems that considers the hierarchical partitioning of source-storage-load.

Facing challenges posed by extensive renewable energy integration in power systems, this research presents a generation-storage coordination strategy using CPSDRL.

This paper designs three schemes: Case 1 considers a single plan for transmission grids with different scales of wind power or photovoltaic integration; Case 2 considers collaborative planning for power ...

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