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Title: Soc consistency of energy storage power station

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A control method is proposed that considers the consistency of the State of Charge (SOC) in battery energy storage, which is involved in ...

To address the state of charge (SOC) balancing challenges of energy storage units in grid-forming energy storage stations under varying operating conditions, this study proposes a dynamic ...

A control method is proposed that considers the consistency of the State of Charge (SOC) in battery energy storage, which is involved in primary frequency regulation.

To overcome the shortcomings of the above researches, this work investigates the dynamic consistency of the recombined battery pack, aiming to provide a strict mathematical ...

This paper proposes an energy management strategy for shared energy storage power plants. First, the shared energy storage power plants are divided into different PCS unit ...

To resolve the issue of state of charge (SOC) inconsistency among energy storage units under traditional equal-power allocation strategies, this paper proposes a multi ...

Therefore, we propose a novel SOC consistency evaluation method based on dynamic reconfigurable battery system (DRBS). First, fast online OCV estimation can be achieved by ...

According to the invention, the SOC consistency is taken as a target function, the time sequence of the power grid dispatching instruction is utilized, and one-time optimization is carried out in ...

To resolve the issue of state of charge (SOC) inconsistency among energy storage units under traditional

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equal-power allocation ...

In this section, the proposed method is adopted to comprehensively evaluate the consistency of the aforementioned real-world DRBS-based energy storage station. The ...

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