

Integrate user-side energy storage into grid peak regulation



Overview

To this end, this article aggregates user-side distributed energy storage and electric vehicles into a virtual power plant, considering the uncertainty of wind power fluctuations and the uncertainty of electric vehicle charging and discharging to establish a day-ahead and intra-day peak regulation model for combined peak regulation of virtual and thermal power plants.



Article Content

Frontiers | Optimal Peak Regulation Strategy of Virtual and ...

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user-side energy storage for peak and frequency regulation

Co-Optimizing Battery Storage for the Frequency Regulation and Energy Arbitrage Using Multi-Scale Dynamic Programming In , a scheduling strategy for user-side energy storage to ...

Integrate user-side energy storage into grid peak regulation

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Optimal configuration of grid-side battery energy storage system ...

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Demand response strategy of user-side energy storage ...

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