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Title: Power frequency modulation peak regulation and energy storage

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Numerous studies have investigated control strategies that enable distributed energy resources (DERs), such as wind turbines, photovoltaic systems, and energy storage, to ...

First, this paper divides the demand for frequency modulation, peak regulation, and state of charge (SOC) of the battery into different zones. Then the Kuramoto model modulates ...

It will lead to the problem of frequency adjustment when the large-scale new energy integrated in the power grid, and large capacity power energy storage is one of the effective solutions for ...

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