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Does battery energy storage participate in system frequency regulation?
Since the battery energy storage does not participatein the system frequency regulation directly,the task of frequency regulation of conventional thermal power units is aggravated,which weakens the ability of system frequency regulation.

Can large-scale battery energy storage systems participate in system frequency regulation?
In the end, a control framework for large-scale battery energy storage systems jointly with thermal power units to participate in system frequency regulation is constructed, and the proposed frequency regulation strategy is studied and analyzed in the EPRI-36 node model.

Can large-scale energy storage battery respond to the frequency change?
Aiming at the problems of low climbing rate and slow frequency response of thermal power units, this paper proposes a method and idea of using large-scale energy storage battery to respond to the frequency change of grid system and constructs a control strategy and scheme for energy storage to coordinate thermal power frequency regulation.

How can battery energy storage respond to system frequency changes?
The classical droop control and virtual inertia control are improved with battery charge as feedback. Also,the battery energy storage can respond to system frequency changes by adaptively selecting a frequency regulation strategybased on system frequency drop deviations.

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