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This behaviour causes fluctuations in the system's voltage, hampering the voltage regulation process. Battery energy storage systems (BESSs) are normally installed in power systems to mitigate the effects of ...

Abstract: Recently, rapid development of battery technology makes it feasible to integrate renewable generations with battery energy storage system (BESS). The consideration of ...

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Higher cost and stochastic nature of intermittent renewable energy (RE) resources complicate their planning, integration and operation of electric power system. Therefore, it is critical to determine the appropriate ...

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