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Battery Energy Storage Systems (BESSs) are promising solutions for mitigating the impact of the new loads and RES. In this paper, different aspects of the BESS's integration ...

In this study, an efficient vault-based battery deployment is investigated to mitigate the adverse effects of grid-connected solar systems on voltage rise and flicker with minimum cost. The fast ...

This study examines a practical method for selecting installation locations and parameters of battery energy storage systems that implement the functions of increasing the reliability of ...

The power system must transform grid power into DC current for charging EVs, distribute power to multiple chargers, and monitor energy usage. This article provides an overview of the key ...

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Distribution networks are commonly used to demonstrate low-voltage problems. A new method to improve voltage quality is using battery energy storage stations (BESSs), which has a four ...

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