

Title: Research on key technologies of microgrid system

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This review article (1) explains what a microgrid is, and (2) provides a multi-disciplinary portrait of today's microgrid drivers, real-world applications, challenges, and future prospects.

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As our reliance on traditional power grids continues to increase, the risk of blackouts and energy shortages becomes more imminent. However, a microgrid system,

The paper concludes by summarizing key findings, outlining avenues for future research, and offering a comprehensive perspective on the current state and future directions of MG research.

A microgrid, regarded as one of the cornerstones of the future smart grid, uses distributed generations and information technology to create a widely distributed automated energy delivery ...

Abstract: Microgrid construction is an important part of the current intelligent development of electric power in China.

Microgrids are increasingly incorporating centralized renewable-energy generation resources (Hoang and Nguyen 2021; Thirunavukkarasu et al. 2022).

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