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Microgrids (MGs) are essential in advancing energy systems towards a low-carbon future, owing to their highly efficient network architecture that facilitates the flexible integration of various DC/AC loads, ...

Moreover, key technologies in energy management are summarized and reviewed from the aspects of control, communication, prediction, optimization, and evaluation. Last, eight main ...

Through this comprehensive overview, the paper aims to provide researchers, practitioners, and policymakers with valuable insights into the state-of-the-art developments and ...

This paper evaluates MG control strategies in detail and classifies them according to their level of protection, energy conversion, integration, benefits, and drawbacks. This paper also ...

Microgrids serve as an effective platform for integrating distributed energy resources (DERs) and achieving optimal performance in reduced costs and emissions while bolstering the ...

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This document provides a comprehensive review of energy management strategies for microgrids. It reviews literature on energy management for hybrid microgrid systems with different configurations, ...

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