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Extensive numerical analysis demonstrates the model's effectiveness in improving the economic and operational efficiency of hybrid AC-DC microgrids, integrating fuel cells, ...

While the impact of exploiting vulnerabilities in them is understood, research on the cybersecurity of microgrids is inadequate. This paper provides a comprehensive review of microgrid ...

This article examines the present difficulties facing, and progress in, smart microgrid communication technologies, including wired and wireless networks. Furthermore, it evaluates the ...

Energy management systems for microgrids are tailored to meet specific application needs and consider technical, economic, environmental, and reliability require

A novel framework focused on the dynamic reconfiguration of multi-microgrids to enhance system's security index, including stability, reliability, and operation costs is presented.

This paper presents a novel dual algorithm-based protection approach for detecting, classifying, and mitigating PQDs in grid-connected MEPPBS.

A flexible management framework, which improves stability, resiliency, and security of microgrid power monitoring systems, was developed by utilizing microgrid isolation techniques, a ...

This article provides a comprehensive review of cybersecurity threats directed at distributed generation in both AC and DC microgrids, energy trading platforms, and transactive ...



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