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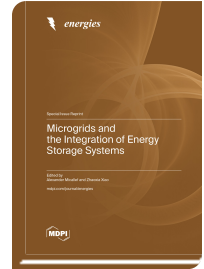
*Special Issue Reprint*

## **Microgrids and the Integration of Energy Storage Systems**

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The decarbonization of the utility grid, market integration, consumer empowerment, and technical innovations will all be key objectives in international energy policy in the coming decades. Grid integration constraints are limiting the deployment potential of renewable energy sources. Therefore, while renewable energy sources are essential to reaching these key objectives, energy storage is the enabler that facilitates the integration of renewable energy sources in a cost-effective and flexible manner. The diversification of RES generation and integration of energy storage into modern power systems are also leading to the formation of the island microgrids and microgrid clusters/communities required to develop more reliable and sustainable electricity networks. This Special Issue represents a snapshot of the ongoing research related to the integration of energy storage systems into microgrids and modern electricity distribution networks. The 10 papers published in this Special Issue cover a wide range of topics, including sizing strategies, AC/DC microgrids, renewable energy communities, and ancillary services under high-variable RES penetrations.



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