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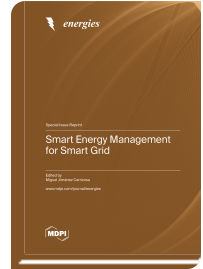
Smart Energy Management for Smart Grid

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This reprint focuses on the fundamentals of smart grids control, with a special emphasis on solutions for electrical distribution grids with decentralized and local production, high renewable energy penetration and load and weather forecasts with uncertainties. Special attention is given to the power quality of smart grids. Techniques like blockchain, IoT and machine learning are analysed and discussed in order to carry out this task for smart grids.



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