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Sommario/riassunto

This book, edited by P. Sivaraman and C. Sharmeela, focuses on the development and management of microgrids for commercial systems, offering insights into smart energy source management, renewable power generation, and energy storage solutions. It covers advanced topics such as DC-DC converters, solar and wind energy integration, and electric vehicle charging infrastructure. Techniques involving machine learning for electricity price forecasting and innovative control strategies for maintaining microgrid stability are also explored. The book is intended for engineers, researchers, and professionals interested in the implementation and optimization of microgrids in commercial environments.