

This review article (1) explains what a microgrid is, and (2) provides a multi-disciplinary portrait of today's microgrid drivers, real-world applications, challenges, and future prospects....

Microgrids: Modeling, Control, and Applications presents a systematic elaboration of different types of microgrids, with a particular focus on new trends and applications. The book includes sections on AC, DC and hybrid AC/DC microgrids and reflects state-of-the-art developments, covering theory, algorithms, simulations, error and uncertainty ...

Section I: Introduction to Microgrids 1. Microgrids, their types and applications Section II: AC Microgrids 2. Introduction to AC Microgrids 3. Control of AC Microgrids 4. Recent Advancements in AC Microgrids Section III: DC Microgrids 5. Introduction to DC Microgrids 6. ...

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