

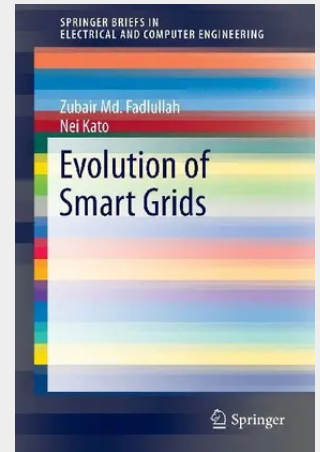
Evolution of Smart Grids

This SpringerBrief explores the opportunities and challenges posed by the smart grid. The evolution of the smart grid should allow consumers to directly communicate with their utility provider. However, complex issues such as architecture with legacy support, varying demand response and load management, varying price of power, and so forth can lead to various decision making challenges.

It is essential to identify the scope and challenges of the smart grid in a comprehensive manner so as to ensure efficient delivery of sustainable, economic, and secure electricity supplies. This book provides an overview of the smart grid and its key advances in architecture, distribution management, demand-side response and load balancing, smart automation, electric storage, power loss minimization and security.

Readers interested in a basic knowledge of electric grid and communication networks will find *Evolution of Smart Grids* useful. Readers who want more insight on smart grid research will also find this book a valuable resource.

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53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319253893
Medium: Buch
ISBN: 978-3-319-25389-3
Verlag: Palgrave Macmillan
Erscheinungstermin: 24.11.2015
Sprache(n): Englisch
Auflage: 1. Auflage 2015
Serie: SpringerBriefs in Electrical and Computer Engineering
Produktform: Kartoniert
Gewicht: 1766 g
Seiten: 94
Format (B x H): 155 x 235 mm

