



# Design of Smart Power Grid Renewable Energy Systems: Solutions Manual (Paperback)

By Ali Keyhani

John Wiley Sons Inc, United States, 2012. Paperback. Condition: New. 1. Auflage. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. To address the modeling and control of smart grid renewable energy system into electric power systems, this book integrates three areas of electrical engineering: power system engineering, control systems engineering and power electronics The approach to the integration of these three areas differs from classical methods. Due to complexity of this task, the author has decided to present the basic concepts, and then present a simulation test bed in matlab to use these concepts to solve a basic problem in development of smart grid energy system. Therefore, each chapter has three parts: first a problem of integration is stated and its importance is described. Then, the mathematical model of the same problem is formulated. Next, the solution steps are outlined. This step is followed by developing a matlab simulation test bed. Each chapter ends with a set of problems and projects. The book is intended be used as textbook for instruction or by researchers. This book can be used as undergraduate text for both electrical and mechanical engineers. The prerequisite for the course is a course in fundamental...



#### Reviews

This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Ally Reiche

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- Prof. Kirk Cruickshank DDS

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