



DOWNLOAD



Electric Power Principles: Sources, Conversion, Distribution and Use (Hardback)

By James L. Kirtley

John Wiley and Sons Ltd, United States, 2010. Hardback. Condition: New. New. Language: English . Brand New Book. This innovative approach to the fundamentals of electric power provides the most rigorous, comprehensive and modern treatment available. To impart a thorough grounding in electric power systems, it begins with an informative discussion on per-unit normalizations, symmetrical components and iterative load flow calculations. Covering important topics within the power system, such as protection and DC transmission, this book looks at both traditional power plants and those used for extracting sustainable energy from wind and sunlight. With classroom-tested material, this book also presents: the principles of electromechanical energy conversion and magnetic circuits; synchronous machines - the most important generators of electric power; power electronics; induction and direct current electric motors. Homework problems with varying levels of difficulty are included at the end of each chapter, and an online solutions manual for tutors is available. A useful Appendix contains a review of elementary network theory. For senior undergraduate and postgraduate students studying advanced electric power systems as well as engineers re-training in this area, this textbook will be an indispensable resource. It will also benefit engineers in electronic power systems, power electronic systems, electric motors and generators,...



READ ONLINE
[2.9 MB]

Reviews

Thorough guide! Its this sort of excellent read. It is really simplified but unexpected situations in the 50 % in the book. You are going to like just how the blogger create this publication.

-- **Prof. Lela Steuber**

The ideal pdf i at any time read. I am quite late in start reading this one, but better then never. You will like the way the author create this book.

-- **Eliane Bednar**