Energy: Production, Conversion, Storage, Conservation, and Coupling



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Reviews

A must buy book if you need to adding benefit. It is actually rally fascinating throgh studying time. Your way of life span will likely be transform as soon as you complete looking over this publication. *(Ms. Bernice Rolfson)*

ENERGY: PRODUCTION, CONVERSION, STORAGE, CONSERVATION, AND COUPLING



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Springer London Ltd, United Kingdom, 2014. Paperback. Book Condition: New. 2012 ed.. 234 x 170 mm. Language: English Brand New Book ***** Print on Demand *****.Understanding the sustainable use of energy in various processes is an integral part of engineering and scientific studies, which rely on a sound knowledge of energy systems. Whilst many institutions now offer degrees in energy-related programs, a comprehensive textbook, which introduces and explains sustainable energy systems and can be used across engineering and scientific fields, has been lacking. Energy: Production, Conversion, Storage, Conservation, and Coupling provides the reader with a practical understanding of these five main topic areas of energy including 130 examples and over 600 practice problems. Each chapter contains a range of supporting figures, tables, thermodynamic diagrams and charts, while the Appendix supplies the reader with all the necessary data including the steam tables. This new textbook presents a clear introduction of basic vocabulary, properties, forms, sources, and balances of energy before advancing to the main topic areas of: * Energy production and conversion in important physical, chemical, and biological processes, * Conservation of energy and its impact on sustainability, * Various forms of energy storage, and * Energy coupling and bioenergetics in living systems. A solution manual for the practice problems of the textbook is offered for the instructor. Energy: Production, Conversion, Storage, Conservation, and Coupling is a comprehensive source, study guide, and course supplement for both undergraduates and graduates across a range of engineering and scientific disciplines. Resources including the solution manual for this textbook are available for instructors on sending a request to Dr. Ya ar Demirel at.

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