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Sustainable Solar Energy Systems: Challenges and Economics for the Arab World

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About the eBook

Sustainable Solar Energy Systems is a primer on the application of solar energy technology for sustainable development. This handbook starts with an introduction to basic concepts of solar energy, describes the mechanisms and benefits of related technologies, and presents a case study in an Arabian poultry farm. The book also includes details on how to conduct economic feasibility studies of solar power projects. The book is a suitable reference for general readers or students undertaking environmental science or engineering courses with specific modules on solar energy projects. Readers will be able to understand the benefits of solar energy systems in the context of an increasing concern about the use of renewable energy under conditions of global warming and declining fossil fuel reserves.

Contents

- ▶ Sunlight and Solar Radiation
- ▶ Climate Change
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- ▶ Solar Powered Technologies
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- ▶ Feasibility of Solar Energy
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