

# IET Library Reading List: Renewable Energy



These ebooks and ejournals, available via the IET Virtual Library, have been selected to provide an introduction to the topic of renewable energy. They cover specific renewable energy technologies including smart grids, solar panels, wind turbines and much more.

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## Ebooks (provided by EBSCO and Knovel)

**Textbook of Renewable Energy, Bhatia, S. C., Gupta, R. K. (2018).** A comprehensive guide to renewable energy technologies.

**Energy Storage : Systems and Components, Rufer, A.. (2018).** This book provides an overview of the development of new solutions and products that address key topics, including electric/hybrid vehicles, ultrafast battery charging, smart grids, renewable energy, peak shaving, and reduction of energy consumption.

**Heat Pumps : Fundamentals and Applications, Grassi, W.. (2018).** The text describes the main features of currently available heat pumps, focusing on system operation and interactions with external heat sources.

**Novel Systems and Applications in Clean Energy, Colmenar Santos, A.. (2019).** This book acts as a reference that provides readers with the broadest available single volume coverage of leading edge advances in the development and optimization of clean energy technologies.

**Visions of Energy Futures : Imagining and Innovating Low-Carbon Transitions, Sovacool, B. K.. (2019).** This book examines the visions, fantasies, frames, discourses, imaginaries, and expectations associated with six state-of-the-art energy systems

**Green and Smart Technologies for Smart Cities, Tomar, P., Gurjit, K.. (2020).** The book starts with an overview of the role of cities in climate change and environmental pollution worldwide,

followed by the concept description of smart cities and their expected features, focusing on green technology innovation.

**Distributed Renewable Energies for Off-Grid Communities - Strategies and Technologies toward Achieving Sustainability in Energy Generation and Supply, El Bassam, Nasir Maegaard, Preben Schlichting, Marcia. (2013).** This book provides various options and case studies related to the potential of renewable energies along with their environmental, economic and social dimensions.

**Smart Grid - Integrating Renewable, Distributed and Efficient Energy, Sioshansi, Fereidoon P.. (2012).** This book covers smart grids from A-Z, providing a complete treatment of the topic, covering both policy and technology, explaining the most recent innovations supporting its development, and clarifying how the smart grid can support the integration of renewable energy resources.

**Renewable Energy - Physics, Engineering, Environmental Impacts, Economics and Planning (4th Edition), Sørensen, B.. (2011).** This book provides a thorough overview of the entire renewable energy sphere and answers about specific technical issues.

## Ejournals (provided by EBSCO)

**International Journal of Green Energy** (Covers all aspects of energy and energy technologies, covering environmentally friendly energy technologies and systems, natural and alternative sources of energy, and advanced technologies for energy conversion and power generation.)

**Solar Today** (A source for the latest technology, policy advances and analysis in renewable energy.)

**Renewable Energy Law and Policy Review** (Covers renewable energy as relating to law and policy.)

**Journal of Power Technologies** (Provides a forum on all aspects of the science, technology and developing of turbomachinery, boilers, hydro power, nuclear energy, fuel cells, renewable energy, thermodynamics.)

**Wind Engineering** (Devoted entirely to the technology of wind energy; includes papers on the aerodynamics of rotors and blades, machine subsystems and components, design, test programmes, etc.)

**International Journal of Sustainable Energy** (Covers biomass, wave generators and wave power. Examines experimental, theoretical, and applied results concerning science and engineering of solar energy.)

**Worldwide Energy** (Provides news & information on all types of energy sources and applications including renewables.)

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- Factfiles
- IET Academy
- IET Digital Library
- Technical Webinars

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