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Nota di contenuto	Hybrid solar : a review on photovoltaic and thermal power integration / T. T. Chow, G. N. Tiwari, and C. Menezo -- An approach to enhance the conservation-compatibility of solar energy development / D. Richard Cameron, Brian S. Cohen, and Scott A. Morrison -- Carbon nanotube solar cells / Colin Klinger, Yogeshwari Patel, and Henk W. Ch. Postma -- Enabling greater penetration of solar power via the use of CSP with thermal energy storage / Paul Denholm and Mark Mehos -- Feasibility of grid-connected solar PV energy system : a case study in Nigeria / Muiyiwa S. Adaramola -- Passive cooling technology for photovoltaic panels for domestic houses / Shenyi Wu and Chenguang Xiong -- A review of solar energy markets, economics and policies / Govinda R. Timilsina, Lado Kurdgelashvili, and Patrick A. Narbel -- Economical evaluation of large-scale photovoltaic systems using universal generating function techniques / Yi Ding, Weixiang Shen, Gregory Levitin, Peng Wang, Lalit Goel, and Qiuwei Wu -- Simulating the value of concentrating solar power with thermal energy storage in a production cost model / Paul Denholm and Marissa Hummon -- The place of solar power : an economic analysis of concentrated and distributed solar power / Vanessa Arellano Banoni, Aldo Arnone, Maria

Fondeur, Annabel Hodge, J. Patrick Offner, and Jordan K. Phillips -- Excerpt from : community response to concentrating solar power in the San Luis Valley / B.C. Farhar, L.M. Hunter, T.M. Kirkland, and K.J. Tierney -- The promotion of domestic grid-connected photovoltaic electricity production through social learning / Greg Hampton and Simon Eckermann.

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Sommario/riassunto

Due to climate change, the rise in energy demand, and issues of energy security, more countries are being forced to reexamine their energy policies and consider more renewable sources of energy. Solar power is expected to play a significant role in the changing face of energy economies, due in a large part to the recent technological advances in the field and the significant decrease in cost. This book describes these advances and examines the current state of solar power from a variety of angles. The various sections of the book cover the following topics: an overview of hybrid solar energy systems, solar energy and conservation, current solar energy technologies, the economics of solar power, and public perceptions of solar energy.

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