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Descrizione fisica	1 online resource (773 p.)
Altri autori (Persone)	KurokawaKosuke
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Nota di contenuto	Cover; Half Title; Title Page; Copyright Page; Table of Contents; Foreword; Preface; Task VIII Participants; List of Contributors; Acknowledgements; Comprehensive Summary; Objective; Background and concept of VLS-PV; VLS-PV case studies; Scenario studies; Understandings; Recommendations; Executive Summary; A. Background and concept of VLS-PV; A.1 World energy issues; A.2 Environmental issues; A.3 An overview of photovoltaic technology; A.3.1 Technology trends; A.3.2 Experiences in operation and maintenance of large-scale PV systems; A.3.3 Cost trends; A.3.4 Added values of PV systems A.4 World irradiation databaseA.5 Concept of VLS-PV system; A.5.1 Availability of desert area for PV technology; A.5.2 VLS-PV concept and definition; A.5.3 Potential of VLS-PV: advantages; A.5.4 Synthesis in a scenario for the viability of VLS-PV development; B. VLS-PV case studies; B.1 General information; B.2 Preliminary case study of VLS-PV systems in world deserts; B.3 Case studies on the Gobi Desert from a life-cycle viewpoint; B.4 Case studies on the Sahara Desert; B.5 Case studies on the Middle East desert; C. Scenario studies and recommendations

C.1 Sustainable growth of the VLS-PV system conceptC.2 Possible approaches for the future; C.3 Financial and organizational sustainability; C.4 Recommendations; C.4.1 General understandings; C. 4.2 Recommendations on a policy level; C.4.3 Checklist for specific stakeholders; Part I: Background and Concept of VLS-PV; 1. World energy issues; 1.1 Long-term trend in world primary energy supply and demand; 1.2 Potential of renewables; 1.3 Trends in the PV market; 1.3.1 PV module production and PV system introduction in the world; 1.3.2 Perspectives of the PV market; References
2. Environmental issues2.1 Global environmental issues; 2.1.1 Observed change in the global climate system; 2.1.2 Projections of the future climate; 2.1.3 Projected influences by climate warming; 2.1.4 Recent progress for mitigating the projected future climate; 2.2 Regional and local environmental issues; 2.2.1 Acid rain; 2.2.2 Desertification and land degradation; 2.2.3 Biodiversity and natural systems; 2.3 Expected impacts and approaches for VLS-PV; References; 3. An overview of photovoltaic technology; 3.1 Basic characteristics of photovoltaic technology
3.2 Trends in government budget relating to PV programmes in three regions3.3 Trends in solar-cell technology; 3.3.1 Crystalline silicon solar cells; 3.3.2 Thin-film solar cells; 3.3.3 Technologies in perspective; 3.4 Trends in PV system technology; 3.4.1 Technologies in perspective; 3.4.2 Estimation of electricity production from PV systems; 3.5 Trends in power transmission technology; 3.5.1 A.C. power transmission; 3.5.2 D.C. power transmission; 3.6 Experiences in operation and maintenance of large-scale PV systems; 3.6.1 Operation and maintenance cost information
3.6.2 Long-term performance

Sommario/riassunto

The world's deserts are sufficiently large that, in theory, covering a fraction of their landmass with PV systems could generate many times the current primary global energy supply. This Energy from the Desert volume examines and evaluates the potential of very large scale photovoltaic power generation (VLS-PV) systems. Following from the success of the first book on the subject, the authors present practical case studies of both virtual and real projects based on selected regions (including the Mediterranean, the Middle East, the Gobi Desert and Western Australia) and their

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Autore	Simplicius, of Cilicia
Titolo	On Aristotle Physics 8.1-5 / Simplicius ; translated by Istvan Bodnar, Michael Chase and Michael Share
Pubbl/distr/stampa	London, : Bristol Classical Press, 2012
ISBN	1-4725-5238-5 1-4725-0179-9
Descrizione fisica	1 online resource (257 p.)
Collana	Ancient commentators on Aristotle
Classificazione	530.092
Disciplina	114
Soggetti	Science, Ancient Physics Motion - Early works to 1800
Lingua di pubblicazione	Inglese
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Note generali	"Paperback edition first published 2014"--T. p. verso.
Nota di bibliografia	Includes bibliographical references and indexes
Nota di contenuto	Introduction -- Textual Emendations -- Translation -- Notes -- Bibliography -- English-Greek Glossary -- Greek-English Index -- Index of Passages Cited -- General Index
Sommario/riassunto	"In this commentary on Aristotle Physics book eight, chapters one to five, the sixth-century philosopher Simplicius quotes and explains important fragments of the Presocratic philosophers, provides the fragments of his Christian opponent Philoponus' Against Aristotle On the Eternity of the World, and makes extensive use of the lost commentary of Aristotle's leading defender, Alexander of Aphrodisias." --Bloomsbury Publishing In this commentary on Aristotle Physics book eight, chapters one to five, the sixth-century philosopher Simplicius quotes and explains important fragments of the Presocratic philosophers, provides the fragments of his Christian opponent Philoponus' Against Aristotle On the Eternity of the World, and makes extensive use of the lost commentary of Aristotle's leading defender, Alexander of Aphrodisias. This volume contains an English translation of Simplicius' important commentary, as well as a detailed introduction, explanatory notes and a bibliography.