Record Nr. UNINA9910827312703321 Practical handbook of photovoltaics: fundamentals and applications // **Titolo** edited by Augustin McEvoy, Tom Markvart, and Luis Castaner Pubbl/distr/stampa Amsterdam; ; Boston, : Academic Press, c2012 **ISBN** 1-283-28819-2 9786613288196 0-12-385935-2 Edizione [2nd ed.] Descrizione fisica 1 online resource (1269 p.) Altri autori (Persone) McEvoyA. J (Augustin Joseph) MarkvartT CastanerLuis Disciplina 621.3815/42 Soggetti Photovoltaic cells Photovoltaic power generation Photovoltaic power systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Practical Handbook of Photovoltaics; Copyright Page; Contents; Preface to the Second Edition; Preface to the First Edition; List of Contributors; Introduction; Appendix: Solar Energy Data for Selected Sites; Appendices; Appendix A. Constants, Physical Quantities, and Conversion Factors; Appendix B. List of Principal Symbols; Appendix C. Abbreviations and Acronyms; Appendix D. The Photovoltaic Market; Appendix E. The Photovoltaic Industry; Appendix F. Useful Web Sites and Journals; Appendix G. International Standards With Relevance to **Photovoltaics** Appendix H. Books About Solar Cells, Photovoltaic Systems, and

Applications Index

Sommario/riassunto

As part of the growing sustainable and renewable energy movement, the design, manufacture and use of photovoltaic devices is increasing in pace and frequency. The Handbook of Photovoltaics will be a 'benchmark' publication for those involved in the design, manufacture and use of these devices. The Handbook covers the principles of solar cell function, the raw materials, photovoltaic systems, standards,

calibration, testing, economics and case studies. The editors have assembled a cast of internationally-respected contributors from industry and academia. The report is