



Photovoltaics for Commercial and Utilities Power Generation (Hardback)

By Anco Blazev

Taylor Francis Inc, United States, 2011. Hardback. Book Condition: New. 282 x 220 mm. Language: English . Brand New Book. Photovoltaics for Commercial and Utilities Power Generation is an in-depth review of the solar industry development, and present day state-of-the-art. It emphasizes current and future applications of photovoltaic equipment in the commercial and utility energy sectors, highlighting its use in large scale power generating plants operating in the U.S. deserts. The book reviews all key aspects of the photovoltaic technologies from a theoretical point of view, looking closely at their design parameters, materials, manufacturing, quality and performance. It also covers the practical applications, focusing on large scale photovoltaics as a major alternative energy source. The author examines the advantages and disadvantages of each of today's solar technologies and projects them into the future in search of optimized niche markets and maximum utilization. Key technical issues related to: manufacturing and test procedures, product quality and safety, field performance, environmental impact, and other issues are thoroughly analyzed. Lack of standardized manufacturing processes and operating procedures, fluctuating political and regulatory policies, and the different financing, legal and marketing aspects of the solar industry are amidst the topics discussed in detail as well....



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