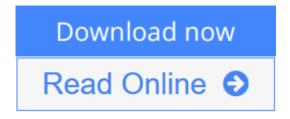


Solar Photovoltaics: Fundamentals, Technologies and Applications

By Chetan Singh Solanki



Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki

This thoroughly revised text, now in its second edition, continues to provide a detailed discussion on all the aspects of solar photovoltaic (PV) technologies from physics of solar cells to manufacturing technologies, solar PV system design and their applications.

Organized in three parts, Part I introduces the fundamental principles of solar cell operation and design, Part II explains various technologies to fabricate solar cells and PV modules and Part III focuses on the use of solar photovoltaics as part of the system for providing electrical energy. In addition to this, numerous chapterend exercises are given to reinforce the understanding of the subject.

This text is intended for the undergraduate and postgraduate students of engineering for their courses on solar photovoltaic technologies and renewable energy technologies. Besides this, the book will be immensely useful for teachers, researchers and professionals working in the photovoltaic field. In a nutshell, this book is an absolute must-read for all those who want to understand and apply the basics behind photovoltaic devices and systems.



Read Online Solar Photovoltaics: Fundamentals, Technologies ...pdf

Solar Photovoltaics: Fundamentals, Technologies and Applications

By Chetan Singh Solanki

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki

This thoroughly revised text, now in its second edition, continues to provide a detailed discussion on all the aspects of solar photovoltaic (PV) technologies from physics of solar cells to manufacturing technologies, solar PV system design and their applications.

Organized in three parts, Part I introduces the fundamental principles of solar cell operation and design, Part II explains various technologies to fabricate solar cells and PV modules and Part III focuses on the use of solar photovoltaics as part of the system for providing electrical energy. In addition to this, numerous chapter-end exercises are given to reinforce the understanding of the subject.

This text is intended for the undergraduate and postgraduate students of engineering for their courses on solar photovoltaic technologies and renewable energy technologies. Besides this, the book will be immensely useful for teachers, researchers and professionals working in the photovoltaic field. In a nutshell, this book is an absolute must-read for all those who want to understand and apply the basics behind photovoltaic devices and systems.

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki Bibliography

Sales Rank: #3358222 in Books
Published on: 2011-07-01
Original language: English

• Dimensions: 9.45" h x 1.14" w x 7.20" l, 2.12 pounds

• Binding: Hardcover

• 512 pages

<u>Download</u> Solar Photovoltaics: Fundamentals, Technologies an ...pdf

Read Online Solar Photovoltaics: Fundamentals, Technologies ...pdf

Download and Read Free Online Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki

Editorial Review

About the Author

CHETAN SINGH SOLANKI, PhD, is Associate Professor in the Department of Energy Science and Engineering at the Indian Institute of Technology Bombay (IITB). He is the recipient of Young Scientist Award from European Material Research Society (2003), Young Investigator Award from IIT Bombay (2009) and several other awards for paper presentations. He has also authored a book Renewable Energy Technologies A Practical Guide for Beginners, published by PHI Learning, New Delhi. The Hindi version of this book got the first prize from the Ministry of New and Renewable Energy (MNRE) in 2011.

His research areas include high efficiency c-Si cells, thin film c-Si cells, concentrator cells and modules and nano-materials for solar cells. Dr. Solanki is currently one of the principal investigators of the National Centre for Photovoltaic Research and Education (NCPRE), funded by the MNRE, Government of India.

Users Review

From reader reviews:

Wanda Stamper:

The knowledge that you get from Solar Photovoltaics: Fundamentals, Technologies and Applications will be the more deep you rooting the information that hide inside the words the more you get considering reading it. It does not mean that this book is hard to be aware of but Solar Photovoltaics: Fundamentals, Technologies and Applications giving you enjoyment feeling of reading. The writer conveys their point in specific way that can be understood by simply anyone who read this because the author of this e-book is well-known enough. This particular book also makes your personal vocabulary increase well. It is therefore easy to understand then can go with you, both in printed or e-book style are available. We advise you for having that Solar Photovoltaics: Fundamentals, Technologies and Applications instantly.

Jennifer McNab:

Does one one of the book lovers? If so, do you ever feeling doubt when you are in the book store? Attempt to pick one book that you find out the inside because don't assess book by its cover may doesn't work the following is difficult job because you are scared that the inside maybe not while fantastic as in the outside appearance likes. Maybe you answer can be Solar Photovoltaics: Fundamentals, Technologies and Applications why because the great cover that make you consider concerning the content will not disappoint you. The inside or content is actually fantastic as the outside as well as cover. Your reading sixth sense will directly assist you to pick up this book.

Ellen Omalley:

This Solar Photovoltaics: Fundamentals, Technologies and Applications is great book for you because the content which can be full of information for you who all always deal with world and also have to make

decision every minute. This kind of book reveal it details accurately using great plan word or we can claim no rambling sentences inside. So if you are read that hurriedly you can have whole data in it. Doesn't mean it only provides straight forward sentences but tough core information with wonderful delivering sentences. Having Solar Photovoltaics: Fundamentals, Technologies and Applications in your hand like finding the world in your arm, details in it is not ridiculous one particular. We can say that no guide that offer you world throughout ten or fifteen moment right but this reserve already do that. So , this really is good reading book. Hey there Mr. and Mrs. hectic do you still doubt in which?

Ronald Smith:

You are able to spend your free time to study this book this e-book. This Solar Photovoltaics: Fundamentals, Technologies and Applications is simple to create you can read it in the playground, in the beach, train as well as soon. If you did not have much space to bring the printed book, you can buy the e-book. It is make you easier to read it. You can save the particular book in your smart phone. Thus there are a lot of benefits that you will get when you buy this book.

Download and Read Online Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki #9HXS8N3W2J0

Read Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki for online ebook

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki books to read online.

Online Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki ebook PDF download

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki Doc

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki Mobipocket

Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki EPub

9HXS8N3W2J0: Solar Photovoltaics: Fundamentals, Technologies and Applications By Chetan Singh Solanki