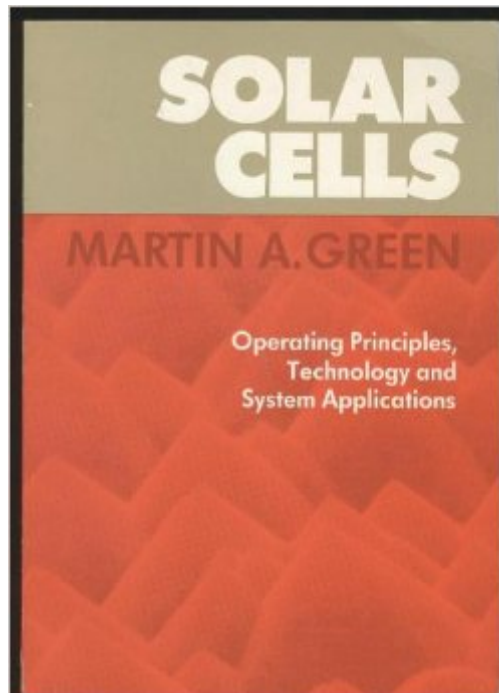


The book was found

Solar Cells : Operating Principles, Technology And System Applications



Synopsis

The book primarily focuses on single junction silicon devices, but some of the III-V semiconductors are also described. Mostly the physics of solar cells is covered, but there is some info on practical installation issues.

Book Information

Paperback: 274 pages

Publisher: University of New South Wales (1986)

Language: English

ISBN-10: 0858235803

ISBN-13: 978-0858235809

Product Dimensions: 8.2 x 5.9 x 0.7 inches

Shipping Weight: 13.6 ounces

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #874,472 in Books (See Top 100 in Books) #136 in [Books > Computers & Technology > Programming > APIs & Operating Environments > Operating Systems Theory](#)

Customer Reviews

THIS BOOK CAN BE PURCHASED BY WRITING TO THE AUTHOR Martin A Green, Elec.Eng. UNSW. Sydney, Australia 2052 or check the Web Site [...] A second edition will be available from the same address from late 1999.

Though the technology described in this book is a little dated, the operating principles have not changed. And Dr. Green does a wonderful job of describing the basic physics of how a solar cell works. There is hardly a word wasted. He tells you what you need to know in a fashion which is both intuitive and mathematical, without fancy embellishments on second or third order effects. The book primarily focuses on single junction silicon devices, but some of the III-V semiconductors are also described. Mostly the physics of solar cells is covered, but there is some info on practical installation issues. For the physics stuff, you need a good background in math (differential and integral calculus) and maybe some basic understanding of quantum mechanics and electrical engineering. I would say that most science or engineering undergraduates at a sophomore level or higher will be able to read this book, as will others with a decent tech/math background. I read the books by Nelson (The Physics of Solar Cells) and Wurfel (Physics of Solar Cells: From Basic Principles to Advanced Concepts). Both are decent books, but neither comes close to the clarity that Green's

book has. Make this your first book. People in the industry will tell you that this is simply the best book to start with if you want to learn the physics of what's going on in a solar cell. After reading it, I agree. The previous reviewer is right that you can purchase the paperback 1986 edition of this book (new) from the University of New South Wales bookshop at: [...]. Just browse to the bookstore via the Research then Publications link, and you will find it. As of 27 Oct 2011 the cost is \$44, with \$28 shipping charge (Australian dollars?). Not a bad price for such a great book. Wish they would offer it on at a decent price.

Martin Green is a pioneer in the photovoltaics world. This book is a staple in any PV lab or for anyone interested in the physics of solar cells.

[Download to continue reading...](#)

Solar Cells : Operating Principles, Technology and System Applications
Windows 10: User Guide and Manual 2016 - Everything You Need To Know About Microsoft's Best Operating System!
(Windows 10 Programming, Windows 10 Software, Operating System)
Linux: For Beginners - Step By Step User Manual To Learning The Basics Of Linux Operating System Today! (Ubuntu, Operating System)
Solar Electricity Handbook: 2016 Edition: A simple, practical guide to solar energy - designing and installing solar PV systems
Solar Electricity Handbook - 2014 Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar Electric Systems
Large-Scale Solar Power System Design (GreenSource Books): An Engineering Guide for Grid-Connected Solar Power Generation (McGraw-Hill's Greensource)
Pocket Guide to the Operating Room (Pocket Guide to Operating Room)
Unix, Solaris and Linux: A Practical Security Cookbook: Securing Unix Operating System Without Third-Party Applications
Solar II: How to Design, Build and Set Up Photovoltaic Components and Solar Electric Systems
Solar Cooking for Home & Camp: How to Make and Use a Solar Cooker
The Passive Solar House: Using Solar Design to Heat and Cool Your Home (Real Goods Independent Living Book)
Solar Water Heating--Revised & Expanded Edition: A Comprehensive Guide to Solar Water and Space Heating Systems (Mother Earth News Wiser Living Series)
The Passive Solar Energy Book: A Complete Guide to Passive Solar Home, Greenhouse and Building Design
Solar Wind Nine: Proceedings of the Ninth International Solar Wind Conference: Nantucket, Massachusetts, 5-9 October 1998 (AIP Conference Proceedings / Astronomy and Astrophysics)
The Renewable Energy Home Handbook: Insulation & energy saving, Living off-grid, Bio-mass heating, Wind turbines, Solar electric PV generation, Solar water heating, Heat pumps, & more
Blockchain: The Comprehensive Guide to Mastering the Hidden Economy: (Blockchain Technology, Fintech, Financial Technology, Smart

Contracts, Internet Technology) Electric Machines: Theory, Operating Applications, and Controls (2nd Edition) JumpStart Technology: Effective Use in the Solaris Operating Environment (With CD-ROM) Linux Techniques: Programming, System Management and Applications (Technology Today) (Volume 4) Advanced Disc Operating System: Memory Resident Utilities, Interrupts and Disc Management with M.S.and P.C.-DOS

[Dmca](#)