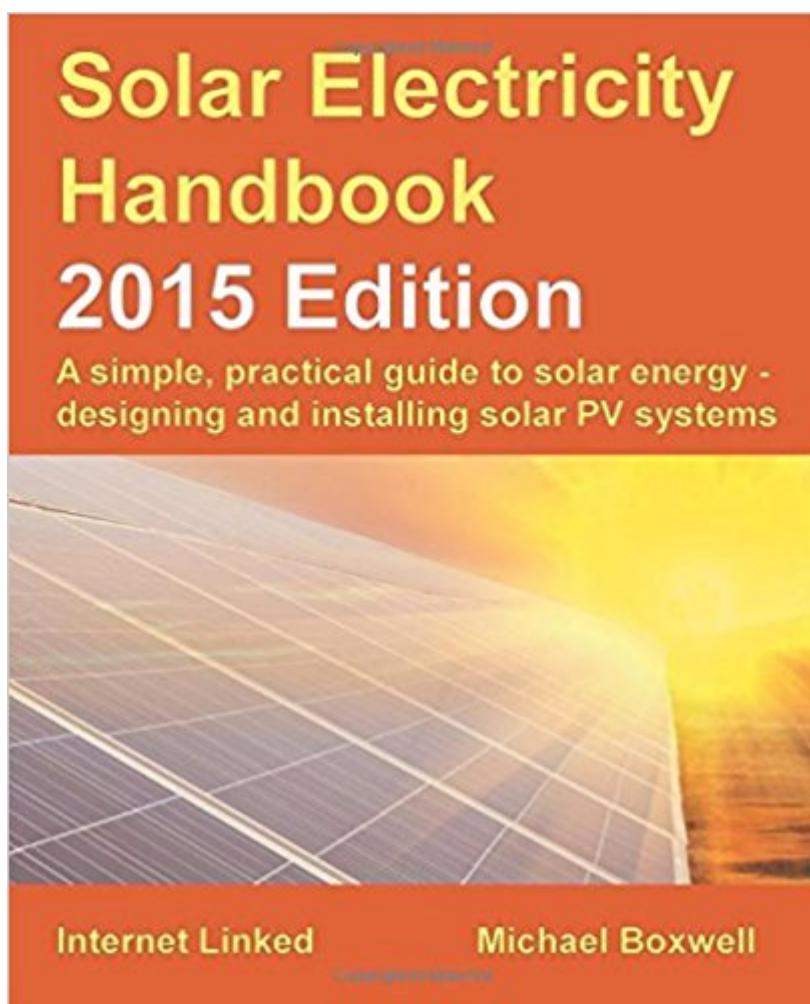


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# **Solar Electricity Handbook - 2015 Edition: A Simple, Practical Guide To Solar Energy - Designing And Installing Solar PV Systems.**



## Synopsis

The Solar Electricity Handbook - 2015 Edition, is a simple, practical guide to using electric solar panels and designing and installing photovoltaic PV systems. Now in its ninth edition, the book assumes no previous knowledge of solar electric systems. The book explains how solar panels work and how they can be used. It explains the advantages of solar energy and the drawbacks that you need to take into account when designing a solar power system. As well as explaining the underlying principles, it provides a step-by-step guide so that you can successfully design and install a photovoltaic solar system from scratch. Unlike many guides, The Solar Electricity Handbook explains the principles behind the technology, allowing the reader to design solar energy systems with confidence. The book has been used all around the world, designing systems as diverse as providing entire African villages with electricity, powering vending machines, building grid-tied systems for housing, building a one-off solar electric car and creating lighting for an allotment shed. Accompanying the book is a website that provides solar calculators and online tools to help simplify the solar design process, including a unique database of sunlight values for every major town and city in every country in the world that has been created specifically for this book in conjunction with NASA. Readers can also get in touch with the author directly to ask questions and get further support with their solar projects. Why buy the Solar Electricity Handbook? The Handbook is a simple, practical guide to using electric photovoltaic panels. The book is suitable for enthusiastic novices for building professionals and architects learning about photovoltaics. Clear examples, diagrams and example projects are given to demonstrate the true capabilities of these systems. The Handbook is updated yearly, providing a up-to-date reference for anyone planning to use electric photovoltaic technology. It is the most comprehensive book on solar electric systems available today. It is backed up by the most powerful online calculator tools available, to make your design and calculations as straightforward as possible. With comprehensive detail in the book for North America, Asia, Australia and Europe, the Handbook provides you with information that is relevant to you and your project - wherever you live.

## Book Information

Paperback: 204 pages

Publisher: Greenstream Publishing; 2015 Edition edition (January 5, 2015)

Language: English

ISBN-10: 1907670459

ISBN-13: 978-1907670459

Product Dimensions: 7.5 x 0.5 x 9.2 inches

Shipping Weight: 1 pounds

Average Customer Review: 4.2 out of 5 stars 101 customer reviews

Best Sellers Rank: #492,927 in Books (See Top 100 in Books) #37 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Solar #1896 in Books > Engineering & Transportation > Engineering > Reference #2319 in Books > Engineering & Transportation > Engineering > Electrical & Electronics

## **Customer Reviews**

Customer Reviews and Quotes: "Best solar book I've read, out of four

Michael Boxwell has been designing solar energy systems since the late 1990s. Initially integrating solar energy into products such as vending machines and portable computers, Michael went on to designing larger systems, including on-building solar and a solar energy systems capable of providing power to entire rural communities in Africa and South America. Michael's most recent solar projects include designing a full-length solar roof for a forthcoming electric car to be launched in 2016, and an electric car solar charging station. He is currently working on a part EU funded project to create a new low-cost solar power station that is capable of providing electricity for entire African villages.

This is a very useful guide for anyone wishing to install a solar system in a number of special situations. It is written primarily from the viewpoint of a user in Great Britain, but the author is quite knowledgeable also about applications and circumstances in the United States and other parts of the world. He discusses a number of applications from stand-alone systems for powering remote sites to home systems that tie into the grid. He discusses thoroughly the selection of system components, even discussing in great detail battery life and the sizing of cable. This book is written for the layman and is light on mathematics and easy to understand. I would recommend it for anyone who is contemplating installing a solar system. It provides perspective on what is currently possible with present day systems and in enough detail to design and generate a cost estimate for realistic systems.

Interested in solar electrical systems and how the different elements all fit together and work? YOU NEED THIS BOOK. It explains all of the various components and how they work in plain, simple,

non-technical language. I have spent mucho dinero on many other books on the subject, but still had a lot of murkiness and confusion going on. This book did it for me, and I have not even finished reading it yet. For clarity and simplicity, this book cannot be beat! If you plan to self-install or just need to understand what you need and why you need it, this book will help you greatly. Thank you Mr. Boxwell!

The book has just right information regarding solar electricity- its fundamental and how to size and install a system. Anyone with a little technical background can understand and follow the book easily. It illustrates real world solar electric design. Its online tools are very helpful. And if you provide your electricity needs, the online tool size the system for you. I would recommend this book anyone who is interested in solar electricity.

I am not sure what some of the reviewers are talking about with this book. There is LOTS of information and diagrams, etc. I am finding it really good reading, with relevant information. It seems to be a book that rides in the middle of the information pack. Not too simple, and not too complicated. For me, it is covering all the important data for a successful off grid system.

It's okay, not very detailed, very rough idea what one may be getting into if thinking about going solar.

Very good for those new to the field, simple straight forward explanations, (but little on the engineering behind it). However it lacks the latest technologies (particularly in regard to batteries), components available commercially today (not laboratory wow projects). Written in the UK so be prepared for that. Not a DIY guide nor a career guide nor any how-to from actual commercial builds. It is in its 6th year of publication, a best seller, provides an excellent web site by the author.

This book provides a lot of information about diy solar projects, but recommends not doing it without a professional.

Very informative book for beginners. My advice to the author is, removed the solar insolation part. Because it is already available on their website. But all in all, Im satisfied.

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