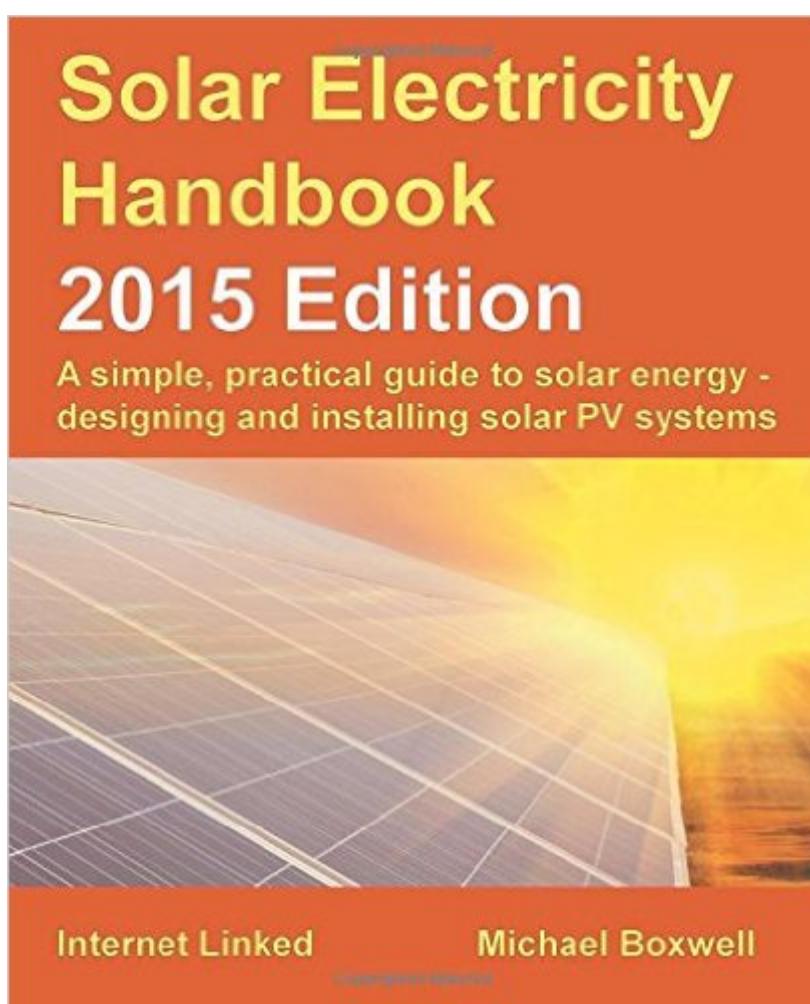


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# **Solar Electricity Handbook - 2015 Edition: A Simple, Practical Guide To Solar Energy - Designing And Installing Solar PV Systems.**



## 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.

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## **Customer Reviews**

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.

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.

This is a good summary primer on Solar Energy and the various ways it can be captured. I think it is realistic and does not promise the world or hype the idea too much. It is written at a summary level, so this is not the place to go to learn how to wire up your own system. However, it did for me exactly what I wanted before making a solar decision. With the aid of this book it also equips one to be able to converse in the vocabulary of this process if you are talking to solar providers -- who do the hype thing. This book helps you cut through all that.

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.

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.

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!

Very good for people getting into the solar electricity world. Whether you have a deep understanding of electricity or you have basic knowledge, this book will guide you towards the right system for you. The calculations are given in an easy to understand way and just make sense to the reader. Everything you need to know to get started and build an effective system is right there.

This book is very very very basic. I bought it only because of good reviews without researching it, but not worth it. All the info in this book can be easily Googled or learned by following solar energy news for a few weeks. Would not suggest to buy it.

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