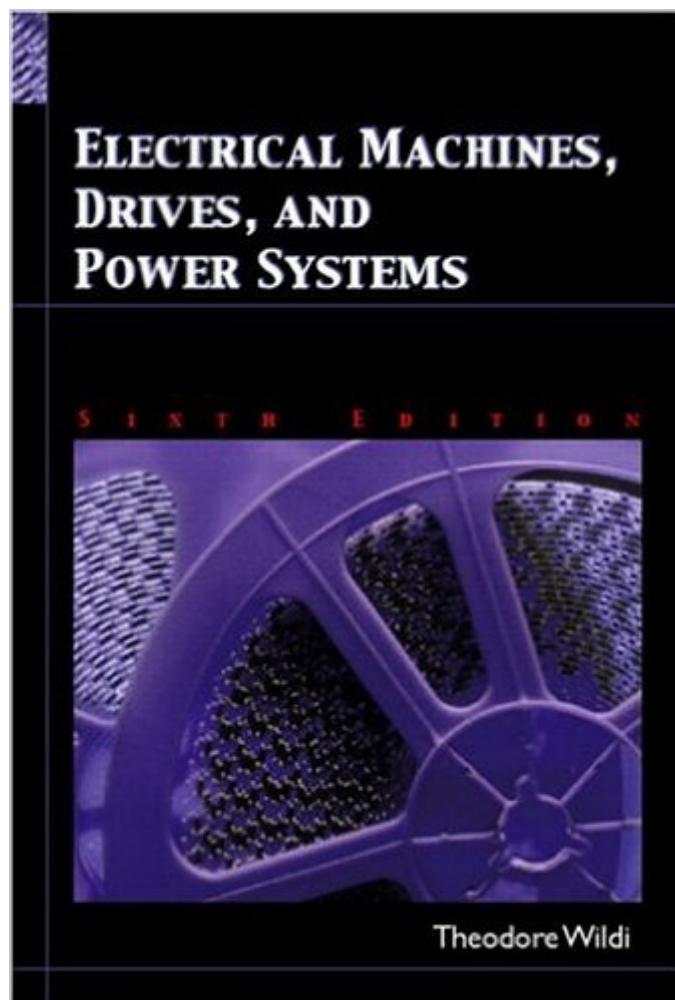


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# Electrical Machines, Drives And Power Systems (6th Edition)



## **Synopsis**

This best-selling book employs a theoretical, practical, multidisciplinary approach to provide introductory users with a broad understanding of modern electric power. The scope of the book reflects the rapid changes that have occurred in power technology over the past few years—allowing the entrance of power electronics into every facet of industrial drives, and expanding the field to open more career opportunities. The author covers the fundamentals of electricity, magnetism and circuits, mechanics and heat, electrical machines and transformers, electrical and electronic drives, and electric utility power systems. For managers of electrical utilities, electricians, electrical contractors and electrical maintenance personnel.

## **Book Information**

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## **Customer Reviews**

This text is well organized and presents a wide range of topics in sufficient detail for many engineers and managers. Pictures and diagrams of equipment are abundant, as are electrical equations, waveforms, and phasor diagrams. Historical perspectives and advantages/disadvantages are included. It is surprising for one text to contain such breadth and depth, including transformers, motors, generators, controls, power electronics, utility systems, and harmonics. It was one of two books used in preparation for, and during, the PE exam; it continues to be a learning tool and reference.

I got this book when studying for the Power PE the second time. This book is excellent. It has technical and practical information about motors, generators, transformers, etc. It was one of the 5 books I ended up using during my second go at the Power PE. You will find answers to unexpected PE questions in this book.

I like the way this book is written. Reads easier than other texts. Generally easy to digest with pretty good examples. Wish it covered more power system stuff than it does because I like the author's style. But best for motors and generators. Power System Analysis by Grainger and Stevenson is better for some things than this, but this is better for motors etc..

My job recently started to include quite a bit of Electrical Engineering such as generator sizing. I also needed to specify motor controls and electrical filters to avoid interference, and other electrical issues which I had a poor understanding of. I had suppliers and contractors asking me questions like I was some kind of electrical guru. This book greatly assisted my understanding, and one of my latest projects involving a 125 HP submersible vertical turbine driven by a VFD was successful as a result. Thanks, Steve Willie, Olympia, WA

I purchased based on a tread I read online for use with the Electrical Power PE exam. I am extremely pleased. There are parts of motors and generators I haven't been able to get for years because no one really gave a good explanation. THIS IS GREAT! I knew more 2 hours in then I ever did. Not a condensed version of information, but also doesn't droan on- great information.

It is an exclent book. As a text book and as a reference that should be ALWAYS on the desk of any good and serious Engineer. It is better than R. Smith book and it is also better than Gross book. Wildi is master in explanations, so precise ...just like a razor blade. He brings real problems from the actual world of industry like no other writer come with. I have just found today that Dr. Wildi is not with us any more . For that I can say that good Engineers don't die if they give us such good books to work with. They are with us all the time.

This is a great book. A must have for the Principles and Practice Professional Engineers Exam. It is very well written and has very useful information regarding electrical machines, drives, and power systems.

This review is for the international, paperback edition. The international edition, which is a softcover book, omits a significant amount of material vs. the 6th edition, U.S. hardback version; this includes a highly condensed table of contents which makes finding specific topics virtually impossible. The index is no better, and probably worse to find specific topics by using the index than the table of contents! Buy an international softcover version at your own risk! Also, the binding and cover are of the cheapest material and will fall apart after light-medium use. If you cannot afford the hardcover 6th edition, the hardcover 5th edition is almost identical to the 6th edition. The 6th edition didn't add much in the way of new material or corrections to the text, merely about 50 pages of new material. The only really significant new material in the 6th edition that I can find is a few pages about the doubly-fed induction machine, used extensively for wind generation; also, there were modifications to HVDC transmission that may be of importance to SOME people, but most can skip this, along with a few other fixes Wildi made. Wildi died, so the 6th edition is probably the last edition this book will ever see.

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