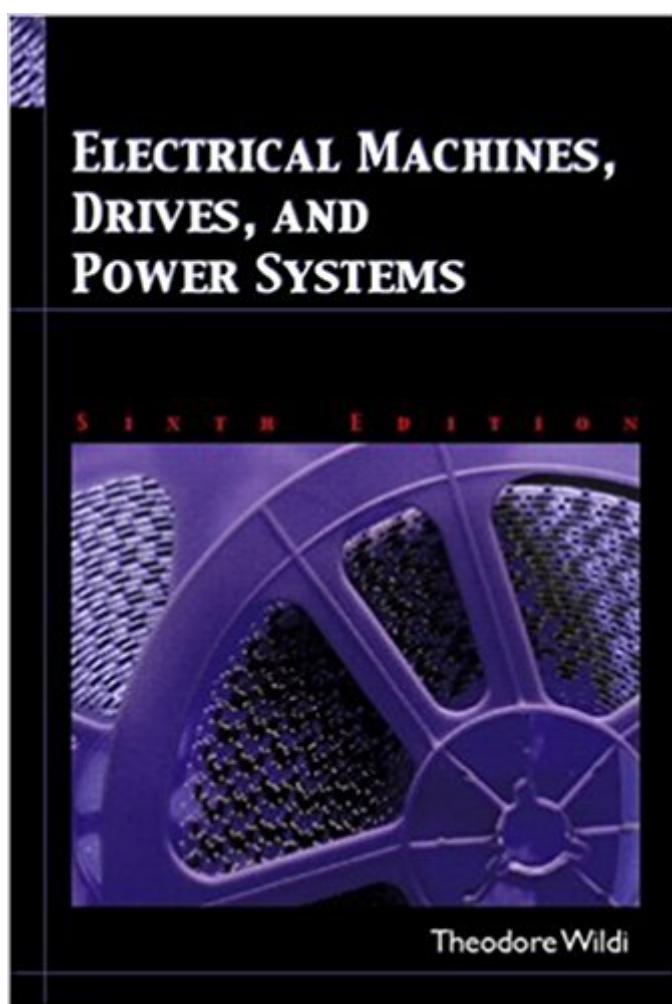


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# Electrical Machines, Drives And Power Systems (6th Edition)



## **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 best-selling text employs a theoretical, practical, multidisciplinary approach to provide introductory students with a broad understanding of modern electric power. The scope of the book, now in its Third Edition, has been expanded to reflect the rapid changes that have occurred in power technology during the past five years.

This best-selling text takes on a theoretical, practical, and multidisciplinary approach to provide readers with a thorough understanding of modern electric power. The extensive coverage of a wide range of topics, the liberal use of excellent illustrations and photographs, the real-world orientation

to practical issues, and the clear, reader-friendly writing style are only a few of the outstanding features that contribute to the book's success and popularity. New to this edition is a chapter on programmable logic controllers. It covers the basic principles of PLCs and shows, by way of example, how they are used in running the activities of a large service enterprise. Trend-setting computer-based activities involving controls and automation integrated with other business activities, including e-commerce, are illustrated. Exercises at the end of each chapter are divided into four levels: practical, intermediate, advanced, and industrial application. To encourage the reader to solve the problems, answers are given at the back of the book. A free Instructor's Manual (ISBN 0-13-093084-9) is available to instructors.

I was required to use this book for a course lecture but it was one of the worst books I have used in a college course. The end of the chapter problems barely had examples associated with them. It almost felt as if the author assumed too much from the reader. If I wanted to self teach myself this subject, I would avoid this book.

I purchased this for the PE exam and it goes far more in-depth than you need it. But the important information is there if you take the time to look for it. When taking the PE practice exam I was able to answer 1-2 questions because of this book, and another question or 2 this book made me more confused than I needed to be for a simple problem.

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 form motors and generators. Power System Analysis by Grainger and Stevenson is better for some things than this, but this is better for motors etc..

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 havent' been able to get for years because no one really gave a good explaination. 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.

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.

(This review is for the international version.) Serves purpose well, only issue is as you read text it falls behind a few pages from original text. I was still able to pass my class and save a good bit of money.

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

It's everything I need for my electronics classes.

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