



Electric Drives, Second Edition (Electric Power Engineering)

By Ion Boldea, Syed A. Nasar

Download now

Read Online ➔

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar

Electric drives are everywhere, and with the looming promise of electric vehicles and renewable energy, they will become more complex and the demands on their capabilities will continue to increase. To keep up with these trends, students require hands-on knowledge and a keen understanding of the subtleties involved in the operation of modern electric drives. The best-selling first edition of *Electric Drives* provided such an understanding, and this Second Edition offers the same approach with up-to-date coverage of all major types of electric drives, both constant and variable speed.

This book provides a self-contained treatment of low-, medium-, and large-power drives illustrated by numerous application examples, problems, digital simulation results, and test results for both steady state and dynamic operation. This edition features updated material in every chapter, including references; new material on AC brush series motors, capacitor-split inductor motors, single-phase PMSMs and switched reluctance motors, and tooth-wound PMSMs, all with numerical examples; new case studies on AC synchronous and induction motors; and a new chapter on control of electric generators. The companion CD-ROM features the full text, class slides for instructors, and MATLAB® simulations of 10 closed-loop drives, two of which are new to this edition.

With a practical, hands-on approach, *Electric Drives, Second Edition* is the ideal textbook to help students design, simulate, build, and test modern electric drives, from simple to complex.

↓ [Download Electric Drives, Second Edition \(Electric Power En ...pdf](#)

📖 [Read Online Electric Drives, Second Edition \(Electric Power ...pdf](#)

Electric Drives, Second Edition (Electric Power Engineering)

By Ion Boldea, Syed A. Nasar

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar

Electric drives are everywhere, and with the looming promise of electric vehicles and renewable energy, they will become more complex and the demands on their capabilities will continue to increase. To keep up with these trends, students require hands-on knowledge and a keen understanding of the subtleties involved in the operation of modern electric drives. The best-selling first edition of Electric Drives provided such an understanding, and this Second Edition offers the same approach with up-to-date coverage of all major types of electric drives, both constant and variable speed.

This book provides a self-contained treatment of low-, medium-, and large-power drives illustrated by numerous application examples, problems, digital simulation results, and test results for both steady state and dynamic operation. This edition features updated material in every chapter, including references; new material on AC brush series motors, capacitor-split inductor motors, single-phase PMSMs and switched reluctance motors, and tooth-wound PMSMs, all with numerical examples; new case studies on AC synchronous and induction motors; and a new chapter on control of electric generators. The companion CD-ROM features the full text, class slides for instructors, and MATLAB® simulations of 10 closed-loop drives, two of which are new to this edition.

With a practical, hands-on approach, Electric Drives, Second Edition is the ideal textbook to help students design, simulate, build, and test modern electric drives, from simple to complex.

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar

Bibliography

- Sales Rank: #2854904 in Books
- Brand: Brand: CRC Press
- Published on: 2005-08-22
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 6.50" w x 1.50" l, 1.98 pounds
- Binding: Hardcover
- 544 pages

 [Download Electric Drives, Second Edition \(Electric Power En ...pdf](#)

 [Read Online Electric Drives, Second Edition \(Electric Power ...pdf](#)

Editorial Review

About the Author

Boldea; Ion Polytechnical Institute, Timisoara, Romania, Nasar; Syed A. University of Kentucky, Lexington, USA,

Users Review

From reader reviews:

Debbie Luken:

Book is written, printed, or descriptive for everything. You can understand everything you want by a book. Book has a different type. As it is known to us that book is important issue to bring us around the world. Beside that you can your reading skill was fluently. A publication Electric Drives, Second Edition (Electric Power Engineering) will make you to always be smarter. You can feel more confidence if you can know about everything. But some of you think that open or reading a book make you bored. It is not make you fun. Why they may be thought like that? Have you trying to find best book or appropriate book with you?

John Oliver:

The e-book with title Electric Drives, Second Edition (Electric Power Engineering) contains a lot of information that you can find out it. You can get a lot of gain after read this book. That book exist new understanding the information that exist in this reserve represented the condition of the world today. That is important to you to understand how the improvement of the world. This kind of book will bring you inside new era of the globalization. You can read the e-book with your smart phone, so you can read that anywhere you want.

Steven Barraza:

Playing with family in a park, coming to see the marine world or hanging out with close friends is thing that usually you will have done when you have spare time, and then why you don't try issue that really opposite from that. Just one activity that make you not feeling tired but still relaxing, trilling like on roller coaster you already been ride on and with addition details. Even you love Electric Drives, Second Edition (Electric Power Engineering), you can enjoy both. It is excellent combination right, you still need to miss it? What kind of hangout type is it? Oh can occur its mind hangout folks. What? Still don't understand it, oh come on its known as reading friends.

Homer Gardner:

With this era which is the greater person or who has ability in doing something more are more valuable than

other. Do you want to become one among it? It is just simple solution to have that. What you are related is just spending your time very little but quite enough to possess a look at some books. Among the books in the top collection in your reading list is definitely Electric Drives, Second Edition (Electric Power Engineering). This book which can be qualified as The Hungry Inclines can get you closer in growing to be precious person. By looking way up and review this reserve you can get many advantages.

**Download and Read Online Electric Drives, Second Edition
(Electric Power Engineering) By Ion Boldea, Syed A. Nasar
#DERF7N5TWMQ**

Read Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar for online ebook

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar books to read online.

Online Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar ebook PDF download

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar Doc

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar Mobipocket

Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar EPub

DERF7N5TWMQ: Electric Drives, Second Edition (Electric Power Engineering) By Ion Boldea, Syed A. Nasar