

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics)

By Simon Ang, Alejandro Oliva



Power-Switching Converters, Second Edition (Electrical Engineering and **Electronics**) By Simon Ang, Alejandro Oliva

After nearly a decade of success owing to its thorough coverage, abundance of problems and examples, and practical use of simulation and design, Power-Switching Converters enters its second edition with new and updated material, entirely new design case studies, and expanded figures, equations, and homework problems. This textbook is ideal for senior undergraduate or graduate courses in power electronic converters, requiring only systems analysis and basic electronics courses.

The only text of such detail to also include the use of PSpice and step-by-step designs and simulations, Power-Switching Converters, Second Edition covers basic topologies, basic control techniques, and closed-loop control and stability. It also includes two new chapters on interleaved converters and switched capacitor converters, and the authors have added discrete-time modeling to the dynamic analysis of switching converters. The final two chapters are dedicated to simulation and complete design examples, respectively. PSpice examples and MATLAB scripts are available for download from the CRC Web site. These are useful for the simulation of students' designs. Class slides are also available on the Internet.

Instructors will appreciate the breadth and depth of the material, more than enough to adapt into a customized syllabus. Students will similarly benefit from the more than 440 figures and over 1000 equations, ample homework problems, and case studies presented in this book.



Download Power-Switching Converters, Second Edition (Electr ...pdf



Read Online Power-Switching Converters, Second Edition (Elec ...pdf

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics)

By Simon Ang, Alejandro Oliva

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva

After nearly a decade of success owing to its thorough coverage, abundance of problems and examples, and practical use of simulation and design, Power-Switching Converters enters its second edition with new and updated material, entirely new design case studies, and expanded figures, equations, and homework problems. This textbook is ideal for senior undergraduate or graduate courses in power electronic converters, requiring only systems analysis and basic electronics courses.

The only text of such detail to also include the use of PSpice and step-by-step designs and simulations, Power-Switching Converters, Second Edition covers basic topologies, basic control techniques, and closed-loop control and stability. It also includes two new chapters on interleaved converters and switched capacitor converters, and the authors have added discrete-time modeling to the dynamic analysis of switching converters. The final two chapters are dedicated to simulation and complete design examples, respectively. PSpice examples and MATLAB scripts are available for download from the CRC Web site. These are useful for the simulation of students' designs. Class slides are also available on the Internet.

Instructors will appreciate the breadth and depth of the material, more than enough to adapt into a customized syllabus. Students will similarly benefit from the more than 440 figures and over 1000 equations, ample homework problems, and case studies presented in this book.

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva Bibliography

• Sales Rank: #4911094 in Books

Brand: CRC PressPublished on: 2005-03-17Original language: English

• Number of items: 1

• Dimensions: 9.02" h x 1.38" w x 5.98" l, 1.98 pounds

• Binding: Hardcover

• 568 pages

▶ Download Power-Switching Converters, Second Edition (Electr ...pdf

Read Online Power-Switching Converters, Second Edition (Elec ...pdf

Download and Read Free Online Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva

Editorial Review

Review

- ...clear, complete, up to date...
- -IEEE Power Electronics Society Newsletter

This is a high-level monograph for high-frequency dc-dc converters ... The large number of case studies are a consistent help for switching regulator designers ... The book is clear, complete, up-to-date.
-IEEE Power Electronics Society Newsletter, Vol. 17, No. 4, 2005

Users Review

From reader reviews:

Shawn Holmes:

Why don't make it to be your habit? Right now, try to prepare your time to do the important behave, like looking for your favorite e-book and reading a reserve. Beside you can solve your long lasting problem; you can add your knowledge by the e-book entitled Power-Switching Converters, Second Edition (Electrical Engineering and Electronics). Try to stumble through book Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) as your buddy. It means that it can to be your friend when you sense alone and beside those of course make you smarter than previously. Yeah, it is very fortuned for yourself. The book makes you more confidence because you can know everything by the book. So, let me make new experience along with knowledge with this book.

Henry Evans:

What do you consider book? It is just for students because they're still students or the item for all people in the world, the actual best subject for that? Simply you can be answered for that question above. Every person has diverse personality and hobby for each other. Don't to be pushed someone or something that they don't would like do that. You must know how great and also important the book Power-Switching Converters, Second Edition (Electrical Engineering and Electronics). All type of book would you see on many sources. You can look for the internet resources or other social media.

Susan Rogers:

Information is provisions for those to get better life, information nowadays can get by anyone at everywhere. The information can be a information or any news even a problem. What people must be consider when those information which is within the former life are challenging to be find than now could be taking seriously which one is acceptable to believe or which one often the resource are convinced. If you obtain the unstable resource then you buy it as your main information we will see huge disadvantage for you. All of those possibilities will not happen within you if you take Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) as your daily resource information.

Grant Rickard:

On this era which is the greater man or woman or who has ability in doing something more are more special than other. Do you want to become among it? It is just simple strategy to have that. What you have to do is just spending your time not very much but quite enough to experience a look at some books. One of many books in the top list in your reading list is Power-Switching Converters, Second Edition (Electrical Engineering and Electronics). This book that is qualified as The Hungry Inclines can get you closer in turning into precious person. By looking upwards and review this publication you can get many advantages.

Download and Read Online Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva #HG1EJ5O874F

Read Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva for online ebook

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva 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 Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva books to read online.

Online Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva ebook PDF download

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva Doc

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva Mobipocket

Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva EPub

HG1EJ5O874F: Power-Switching Converters, Second Edition (Electrical Engineering and Electronics) By Simon Ang, Alejandro Oliva