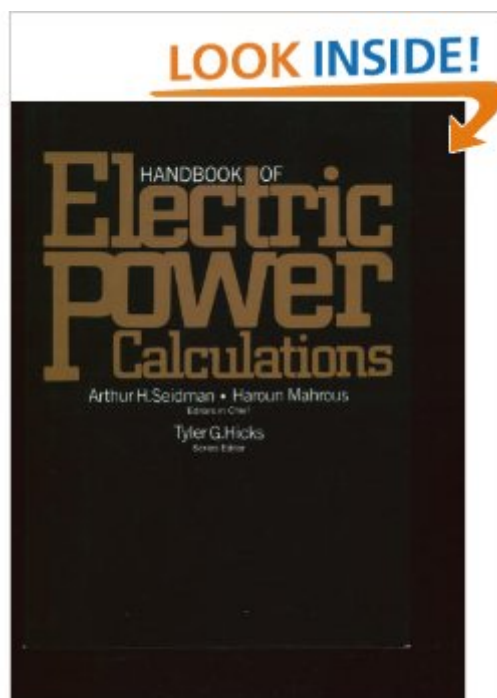


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# Handbook Of Electric Power Calculations



## Synopsis

Electric power engineers and technicians can turn to the revision of this popular handbook for step-by-step calculation procedures for solving over 300 problems commonly encountered in electrical power engineering. Included are calculations for such areas as network analysis, ac and dc machines, transformers, transmission lines, system stability, grounding, lighting design, batteries, and engineering economics. 250 illustrations. --This text refers to an out of print or unavailable edition of this title.

## Book Information

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## Customer Reviews

Step-by-step calculation procedures for solving electric power problems with speed and accuracy  
Now you can solve electric power problems with speed, ease, and precision using this complete compilation of proven calculation procedures for solving over 300 commonly encountered problems. The second edition of this authoritative resource offers convenient access to all the procedures-plus practical, worked-out examples-you need to achieve error-free calculations. You'll find solutions for everything from evaluating motor performance to analyzing power transmission lines, selecting the right grounding system, and designing an outdoor lighting system. The 20 comprehensive sections were compiled by experts to provide detailed, step-by-step calculation procedures that require only basic math or algebra for solving problems in areas such as: network analysis; dc motors and generators; three-phase induction motors; electric power generation; electric-power networks; power-system control; power-system stability; economic methods; instrumentation; transformers;

synchronous machines; transmission lines; load-flow; power-system protection; cogeneration; and more. This edition also includes new calculations in the key areas of ac to dc circuit transfer, the effect of power pools on systems capacity and reserve margins, power system protection, the effects of series, and capacitors in the network. There is no other single source that includes such a vast collection of electric power calculations. With this handbook, you'll also be able to solve problems faster than ever before--and with more confidence. --This text refers to an out of print or unavailable edition of this title.

H. Wayne Beaty is the former managing editor of Electric Light and Power and editor of McGraw-Hill's Standard Handbook of Electrical Engineering, Thirteenth Edition. --This text refers to an out of print or unavailable edition of this title.

As a junior power engineer, I find this book is very useful. As a part time instructor teaching Electric Power System, I find this book is very easy for my students to understand and apply. Although this is the first edition, and it's even older than I do, the fundamental of the knowledge never ages. I gave five stars, not only because the material is good, but also the seller is excellent. I like the way they pack the book, it shows the respect and care about the knowledge. That's the attitude that I appreciate most.

It was too deep for me. Thought I would see more basic electrician problems not engineering

I bought this as a reference to use at work. It does fulfill that purpose. This book does assume that the reader has some basic knowledge of the topics. Even so, there are certain areas in the book that should have used a different approach, or more detailed explanations in the calculations.

Good for learning concepts.

Say what?

I am a PhD candidate in Power Engineering and I found this book the most trusted handbook in Power electrical engineering; however you should have some experience or knowledge about power system to understand the examples.

There are books that you keep and books that you sell. This book is a keeper. The information and calculations it contains will be relevant for many years to come. Great work reference, study aid, or exam companion.

The book is good, great examples! This book reminded me the school's class and will be helpful on my job. thanks

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