



# Power Reference Manual for the Electrical and Computer PE Exam

By John A. Camara PE

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Best-selling author, John A. Camara, PE, draws upon his professional experience and his years as an instructor to provide clear and focused explanations of the exam topics using step-by-step example problems. He also provides suggested references, time management techniques, and exam tips—all the tools you need to pass your exam.

*Due to the changes in codes for the NCEES PE exam, there are some updates to this edition. Though not all of PPI's products reflect the adopted editions of the new design standards, in most cases the principles change very little. While specific procedures, equations, or values may change gradually from one edition of a design or reference standard to the next, PPI's books continue to provide an appropriate overview of the concepts presented, and will prepare you for the upcoming exams.*

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- including an easy-to-use index and a full glossary for quick reference
- recommending a study schedule, plus tips for successful exam preparation

### **Exam Topics Covered**

- **General Power Engineering:** Measurement and Instrumentation; Special Applications; Codes and Standards
- **Circuit Analysis:** Analysis; Devices and Power Electronic Circuits
- **Rotating Machines and Electromagnetic Devices:** Rotating AC Machinery; Rotating DC Machinery; Batteries, Fuel Cells, and Power Supplies
- **Transmissions and Distribution:** System Analysis; Power System Performance; Protection

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- Sales Rank: #820514 in Books
- Published on: 2010-06-10
- Original language: English
- Dimensions: 11.00" h x 1.75" w x 8.50" l, 4.67 pounds
- Binding: Hardcover
- 792 pages

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### **Editorial Review**

#### About the Author

John A. Camara, PE, has authored more than a dozen books on Electrical and Computer PE, Nuclear PE, and FE exam preparation, enabling thousands of students and professionals to pass their engineering exams. He is a retired U.S. Navy Lieutenant Commander and is currently a technical fellow with The Boeing Company. Mr. Camara received his bachelor of science degree in electrical and computer engineering/materials science and engineering from the University of California at Davis and his master of science degree in space systems from the Florida Institute of Technology.

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