

Electric Power System Basics for the Nonelectrical Professional

By Steven W. Blume

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This book explains the essentials of interconnected electric power systems in very basic, practical terms, giving a comprehensible overview of the terminology, electrical concepts, design considerations, construction practices, operational aspects, and industry standards for nontechnical professionals having an interest in the power industry. From generation to household wiring, this book explains it all in easy-to-understand terms.

Electrical Power System Basics exposes readers to all of the important aspects of an interconnected power system without assuming a great deal of existing knowledge or experience. Some very basic formulas are presented throughout the book and several examples, photographs, drawings, and illustrations are provided to help the reader gain a fundamental understanding of the subject.

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Editorial Review

Review

"This book is well written and offers a nice overview of power system fundamentals at a level that does not require advanced mathematics or physics." (*IEEE Power & Energy Magazine*, November/December 2008)

"Highly recommends this work for its comprehensive discussion of electric power system terminology, and encourage non-engineering professionals in industry support and auxiliary services (product development, sales, marketing, etc.) to read and keep this excellent resource close at hand." (*CHOICE*, April 2008)

"'For the Nonelectrical Professional' says this well-illustrated book's subtitle, and the author does a good job of addressing that audience." (*Electrical Apparatus*, December 2007)

From the Back Cover

A clear and easy-to-follow overview of power system technology for nonelectrical professionals

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Electrical Power System Basics exposes readers to all of the important aspects of an interconnected power system without assuming a great deal of existing knowledge or experience. Some very basic formulas are presented throughout the book and several examples, photographs, drawings, and illustrations are provided to help the reader gain a fundamental understanding of the subject. Aimed specifically at professionals in a range of industries, including venture capital investors, funding companies, politicians, environmental groups, manufacturing companies, developers, and students in varying disciplines, this book gives readers a coherent, in-depth understanding of how power systems work.

About the Author

Steven W. Blume is President and CEO of Applied Professional Training, Inc., a world-class technical training company servicing both the electric power and telecommunications industries. He has a master's degree specializing in electric power systems and a bachelor's degree specializing in telecommunications. He holds many professional certificates and memberships, and is highly recognized in both the electric power and telecommunications industries. He has taught courses on electric power systems at many Power Engineering Society meetings, and teaches 400-500 students this course every year.

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Joseph Anderson:

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