



Transformers: Design, Manufacturing, and Materials (Professional Engineering)

By Bharat Heavy Electrical Limited

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This TATA import covers basic fundamentals and design of electrical transformers, including materials, specifications and standards. Designed as a working reference for professional engineers and technicians, it will also appeal to graduate level students and researchers. Written by a team of BEHL's top power engineers, it details transformer workings from first principles through the latest in computer automation and cutting edge design.

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Editorial Review

Review

Review by: S. R. Walk, Maine Maritime

For the experienced professional or the new graduate student, this book provides a broad compendium of advanced yet practical knowledge in the art of power transformer design. The individual authors provide clear and concise presentations of electrical and physical design criteria, and advanced techniques for manufacturing, testing, and monitoring. It is impressive that there is ample theoretical background for the reader's better understanding of the many standardized and recommended design calculations. The authors reference all relevant international standards for power transformer materials, design, testing, installation, and monitoring. They are to be commended for discussing various component failure modes and describing maintenance and condition monitoring needs. They address the full range of power transformers, including modern specialty transformers such as rectifier transformers and power reactors. The occasional slip in grammar or word usage is easily forgiven when balanced against the wealth of practical material available in this one volume. Summing Up: Essential. Upper-division undergraduates through professionals.

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From the Back Cover

IN-DEPTH COVERAGE OF MODERN TRANSFORMERS

Written by top engineers at one of the world's largest power equipment manufacturers, this rigorous tutorial details design methods for transformers with improved fault-resistance and greater load capacity. Covering the design, manufacture, operation, and maintenance of every major type of transformer, *Transformers* provides cost-effective solutions engineers need to improve the performance of their systems. This resource offers comprehensive coverage of:

- Materials, specifications, and standards
- Controlled shunt reactors
- Design and manufacture of short-circuit-proof transformers
- High voltage bushings
- RLA and predictive/preventive transformer maintenance
- Automated and computerized productivity enhancements

About the Author

Bharat Heavy Electrical Limited (BHAT) is India's largest power equipment manufacturer. It has 14 manufacturing units, 4 power sector regional centers, 8 service centers and 18 regional offices, as well as project sites spread across India and the globe.

Users Review

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Lindsey Gant:

Do you among people who can't read pleasurable if the sentence chained inside straightway, hold on guys this particular aren't like that. This Transformers: Design, Manufacturing, and Materials (Professional Engineering) book is readable through you who hate the straight word style. You will find the facts here are arrange for enjoyable studying experience without leaving perhaps decrease the knowledge that want to deliver to you. The writer regarding Transformers: Design, Manufacturing, and Materials (Professional Engineering) content conveys the idea easily to understand by most people. The printed and e-book are not different in the articles but it just different available as it. So , do you still thinking Transformers: Design, Manufacturing, and Materials (Professional Engineering) is not loveable to be your top listing reading book?

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