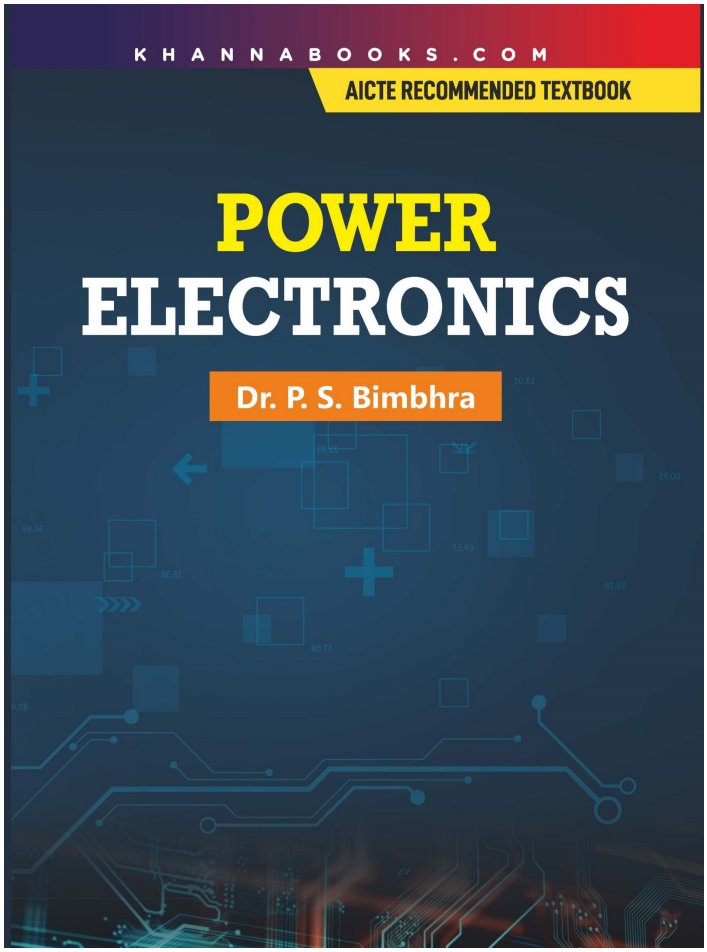


Power Electronics

Author :	P.S. Bimbhra
ISBN 13 :	978-93-55381-94-1
ISBN 10 :	93-55381-94-8
E-ISBN 13 :	978-93-55381-94-1
Edition :	First
Pages :	1004
Type of book :	Hardbound
Weight (g) :	1530.00
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
Categories :	Electrical, Electronics & Communication Engineering, Electrical, Electronics & Communication Engineering
SKU :	1725727625
Condition Type :	New
Country Origin :	India

Product Description

This book is designed to sever a textbook for the students of engineering studying a course on power Electronics. It provides a lucid and comprehensive treatment of the topics covered in the book. A large number of illustrative figures and a wide variety of worked examples add to the clarity of subject mater. This book would be found suitable as a textbook for the students pursuing courses in the areas of the Electrical, Electronics, Instrumentation, Telecommunications and Mechatronics.

Table of Contents

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

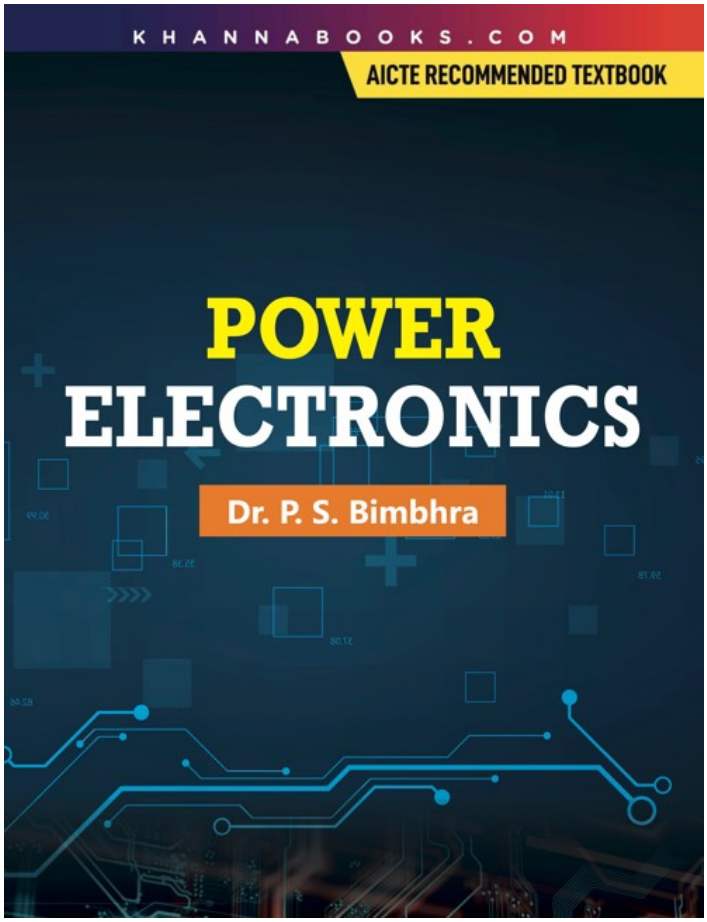
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Author

P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Power Electronics

Author :	P.S. Bimbhra
ISBN 13 :	978-81-95123-12-4
ISBN 10 :	81-95123-12-0
E-ISBN 13 :	978-81-95123-12-4
Edition :	Seventh Revised
Pages :	1004
Type of book :	Paperback
Weight (g) :	1480.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

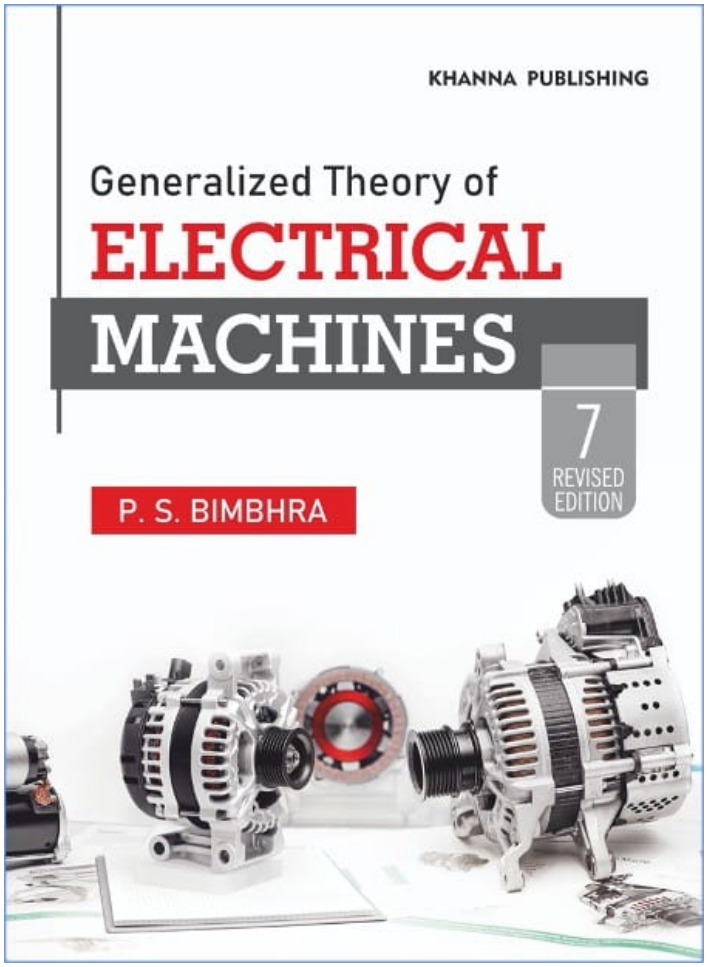
This book is designed to sever a textbook for the students of engineering studying a course on power Electronics. It provides a lucid and comprehensive treatment of the topics covered in the book.A large number of illustrative figures and a wide variety of worked examples add to the clarity of subject mater. This book would be found suitable as a textbook for the students pursuing courses in the areas of the Electrical, Electronics, Instrumentation, Telecommunications and Mechatronics.

Table of Contents

Author

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Generalized Theory of Electrical Machines

Author :	P.S. Bimbhra
ISBN 13 :	978-93-91505-08-0
ISBN 10 :	93-91505-08-2
E-ISBN 13 :	978-93-91505-08-0
Edition :	Seventh Revised
Pages :	872
Type of book :	Paperback
Weight (g) :	1180.00
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 495.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Generalized Theory of Electrical Machines” is based on the latest syllabus of the Universities and Educational Institutes. In this edition, some materials of the book has been rewritten so as to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added and problems material with answers, at the end of each chapter, has been considerably enlarged. Salient Features: 1. Elements of Generalized Theory 2. Linear Transformations in Machines 3. D.C. Machines 4. Polyphase Synchronous Machines 5. Polyphase Induction Machines 6. Single Phase Motors 7. A.C. Commutator Machines 8. Transformers 9. Special Machines 10. Appendices 11. References

Table of Contents

Author

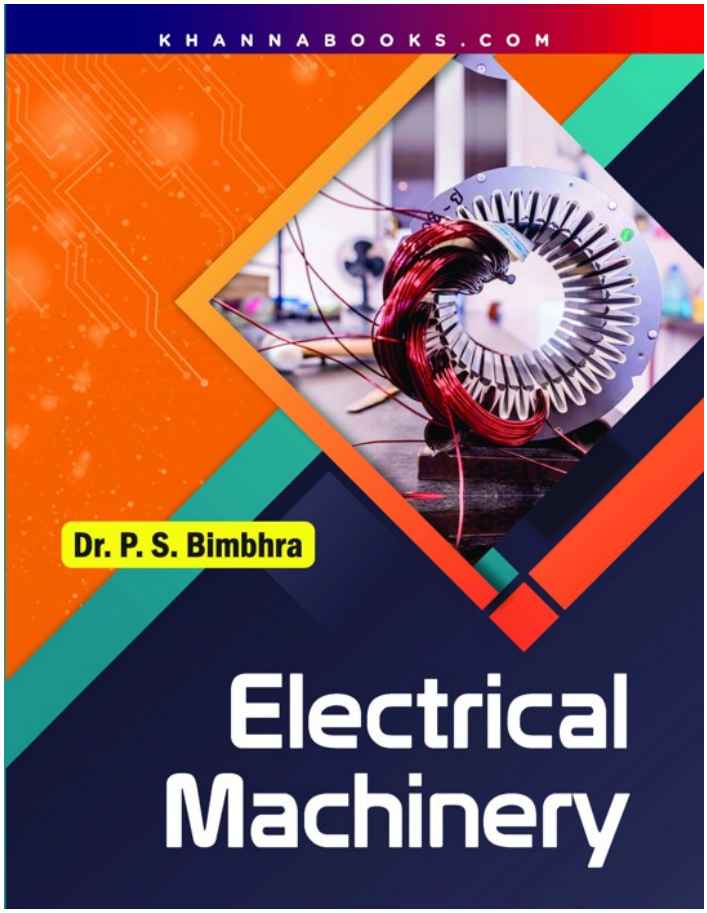
P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Electrical Machinery

Author :	P.S. Bimbhra
ISBN 13 :	978-93-89139-15-0
ISBN 10 :	93-89139-15-5
E-ISBN 13 :	978-93-89139-15-0
Edition :	First
Pages :	1084
Type of book :	Hardbound
Weight (g) :	2280.00
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 785.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This thoroughly revised and updated edition presents a rigorous and comprehensive treatment of transformers and more common types of rotating electrical machine types. Each chapter begins with rudimentary concepts and is so developed that an average student can easily comprehend it. The salient features of this book are :In-depth coverage of transformers, dc machines, 3-phase synchronous, and induction machines. Highlights that electrical machines operate on the same basic principles. Devotes a chapter on electromechanical-energy conversion principles and another on dc/ac machine windings. Drive aspects and applications are discussed for each machine type. Clarity of presentation is enhanced by illustrative figures and examples selected from question-papers of important Universities, IAS, IES, and GATE. Includes numerous problems, conceptual questions and objective-type questions (with answers) to help the reader master the basic concepts. This edition includes a chapter on “basic principles of electrical machines.” All these features contribute towards making this book an ideal text for undergraduate students of degree classes. Practicing engineers, through self-study, will also find this volume useful to them.

Table of Contents

Author

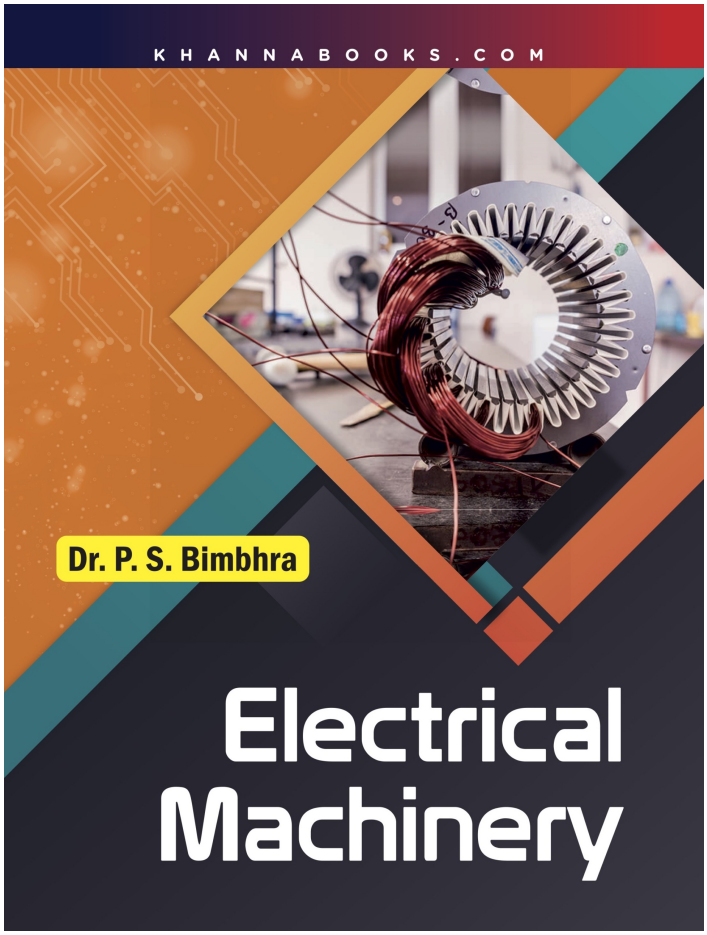
P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Electrical Machinery

Author :	P.S. Bimbhra
ISBN 13 :	978-93-89139-10-5
ISBN 10 :	93-89139-10-4
E-ISBN 13 :	978-93-89139-10-5
Edition :	1
Pages :	1084
Type of book :	Paperback
Weight (g) :	1600.00
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This thoroughly revised and updated edition presents a rigorous and comprehensive treatment of transformers and more common types of rotating electrical machine types. Each chapter begins with rudimentary concepts and is so developed that an average student can easily comprehend it. The salient features of this book are :In-depth coverage of transformers, dc machines, 3-phase synchronous, and induction machines.Highlights that electrical machines operate on the same basic principles. Devotes a chapter on electromechanical-energy conversion principles and another on dc/ac machine windings. Drive aspects and applications are discussed for each machine type. Clarity of presentation is enhanced by illustrative figures and examples selected from question-papers of important Universities, IAS, IES and GATE. Includes numerous problems, conceptual questions and objective-type questions (with answers) to help the reader master the basic concepts.This edition includes a chapter on “basic principles of electrical machines.” All these features contribute towards making this book an ideal text for undergraduate students of degree classes. Practicing engineers, through self-study, will also find this volume useful to them.

Table of Contents

Author

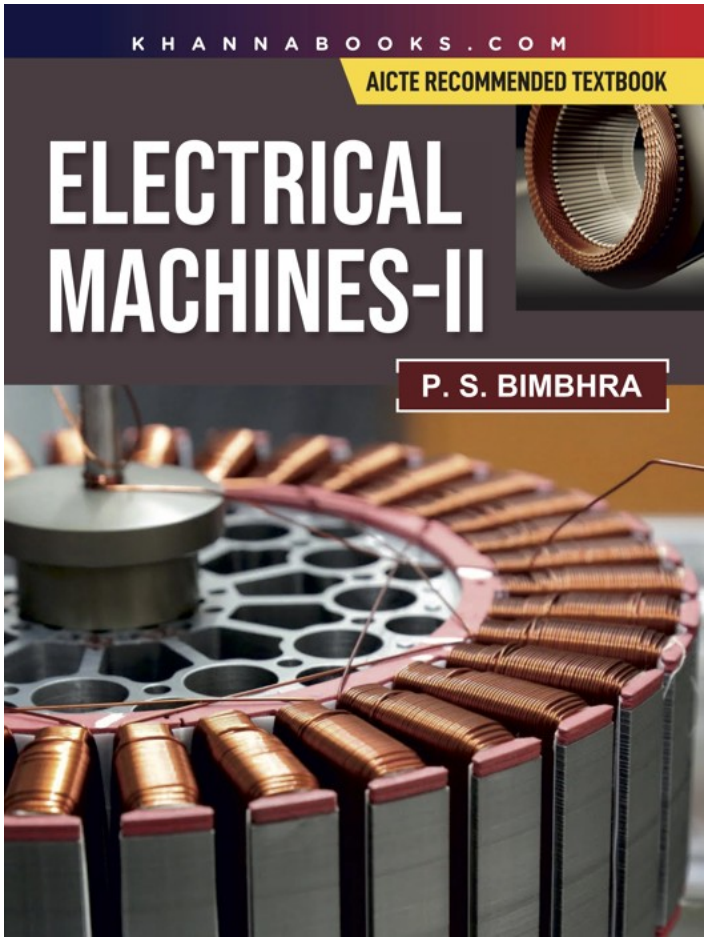
P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Electrical Machines - II

Author :	P.S. Bimbhra
ISBN 13 :	978-93-86173-60-7
ISBN 10 :	93-86173-60-3
E-ISBN 13 :	978-93-86173-60-7
Edition :	First
Pages :	168
Type of book :	Paperback
Weight (g) :	250.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 332.00
Categories :	Electrical, Electronics & Communication Engineering, Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

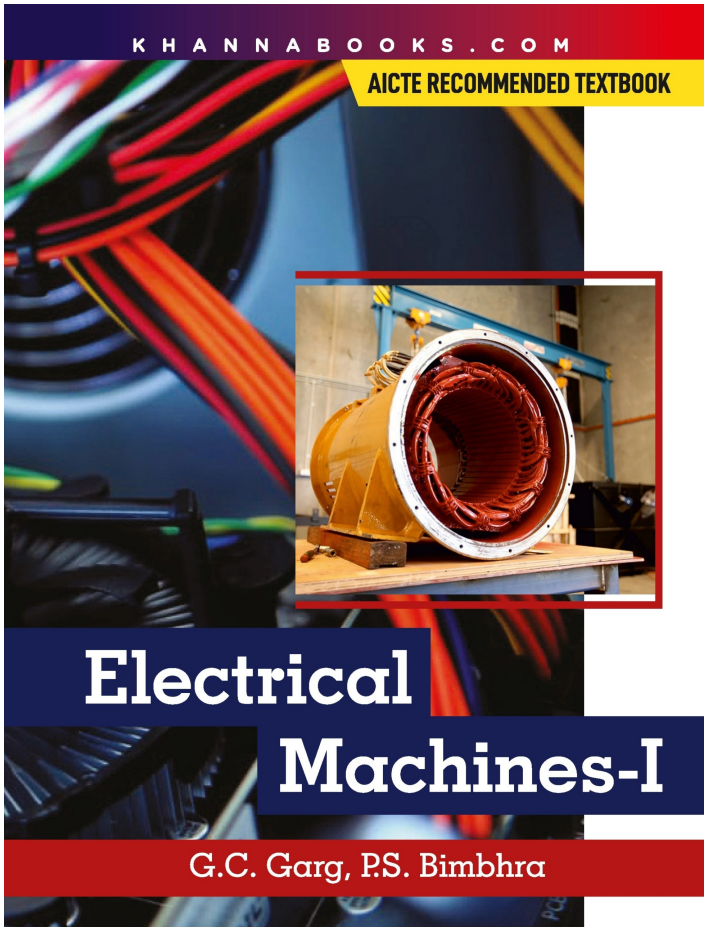
This book on "Electrical Machines-II" is intended to serve as a text book for the students of Electrical Engineering in general and for those studying in institutions where AICTE model curriculum has been adopted. This book serves as a supplement to the already published book on "Electrical Machines-I". The topics covered in this book pertain to the syllabus contents as prescribed by AICTE for the course on "Electrical Machines II". Chapter 1. Describes the fundamental of AC machine windings. Here general terms associated with armature winding are defined first. Then, air-gap mmf waves produced by concentrated and distributed windings are explained. Concepts of winding factor is also given in this chapter. Chapter 2. Describes the concepts of constant magnetic field, pulsating magnetic field and rotation magnetic field. Chapter 3. Three-phase induction motor is described in detail so far as its constructional features, principle of operation, rotor and stator equivalent circuits and torque-slip characteristics are three-phase induction generator working and doubly-fed induction machines. Chapter 4: Constructional features, principle of operation, double-revolving field theory and starting methods of single-phase induction motor are described. Chapter 5. Pertains to the analysis of three-phase synchronous machines. In this chapter both cylindrical-rotor type and salient-pole type machines are discussed in detail. Steady-state phasor diagram of each type is developed for analysis purposes. Steady-state power-angle characteristics and operating characteristics are also presented in this chapter. The book contains a large number of worked examples to highlight the principles and concepts of the topics covered in this book. Unsolved problems at the end of each chapter are included for practice. Objective type questions included at the end of each chapter will help the readers to evaluate their comprehension of the chapter topics.

Table of Contents

Author

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Electrical Machines - I

Author :	G.C. Garg
ISBN 13 :	978-93-86173-44-7
ISBN 10 :	93-86173-44-1
E-ISBN 13 :	978-93-86173-44-7
Edition :	First
Pages :	480
Type of book :	Paperback
Weight (g) :	660.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 429.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book is written so that it serves as a text book for B.E./B. Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- 1. Magnetic field and Magnetic circuit 2. Electromagnetic force and torque 3. D.C. Machines 4. D.C. Machines-Motoring and Generation SALIENT FEATURES:- 1. Self-contained, self-explanatary and simple to follow text. 2. Numerous worked out examples. 3. Well Explained theory parts with illustrations. 4. Exercises, objective type question with answers at the end of each chapter.

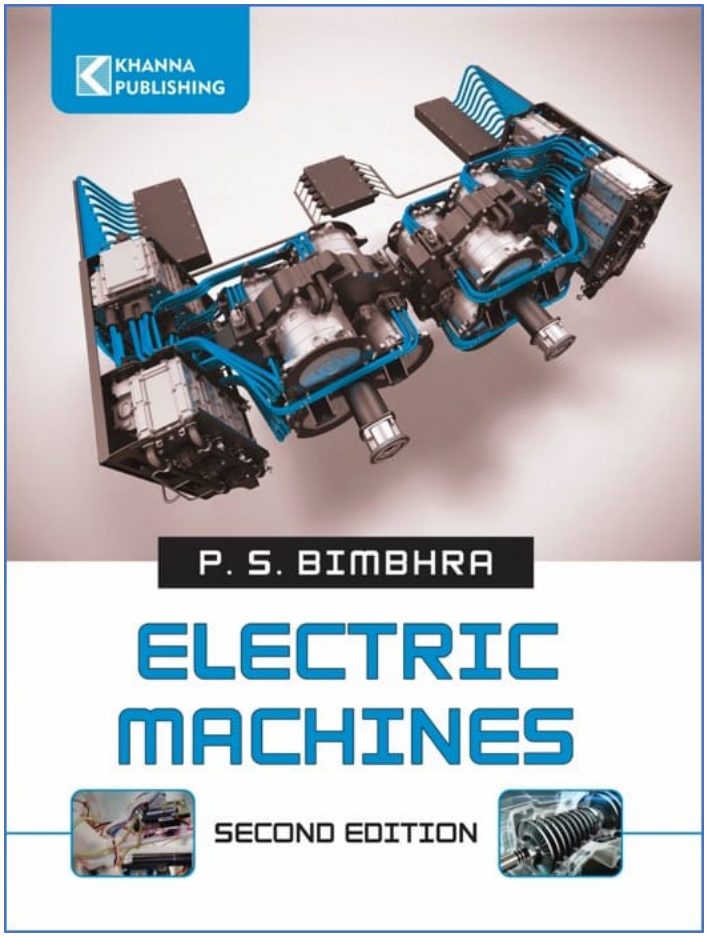
Table of Contents

Authors

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Prof. G.C. Garg retired as registrar from the Technical Education Department Haryana, Chandigarh. Before that he was Head of Dept. In Electrical Engineering at Govt. Institution of Engineering Ambala City, Haryana. After Graduation in Electrical Engineering he has gone 2½ years regular advance course in Electrical Engineering with specialization of Electrical Machines in T.T.T.I. Chandigarh in collaboration with Netherlands Govt. under the guidance of Prof. B. Mone who was authority in Electrical Machines and Electrical Power. He has also undergone one and a half year Industrial/Power Projects/Field and Transmission & Distribution Power Stations. He is fellow of the Institution of Engineers (India).

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Electric Machines

Author :	P.S. Bimbhra
ISBN 13 :	978-93-86173-29-4
ISBN 10 :	93-86173-29-8
E-ISBN 13 :	978-93-86173-29-4
Edition :	Second
Pages :	488
Type of book :	Paperback
Weight (g) :	720.00
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 399.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book is suitable as a textbook for undergraduate courses in electric machines. Subject matter in each chapter in so developed from basic principles that an average student can understand it easily. Since the text is written in simple language, this book would be found suitable even for diploma students and AMIE candidates. GATE and UPSC candidates would also find the book quite useful.

Table of Contents

Chapter 1: Transformer. **Chapter 2:** Electromechanical Energy Conversion Principles. **Chapter 3:** Basic Concepts of Rotating Electric Machines. **Chapter 4:** D.C. Machines. **Chapter 5:** Synchronous Machines. **Chapter 6:** Three Phase Induction Motors. **Chapter 7:** Single Phase Motors. **Chapter 8:** Special Machines.

Author

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320