



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 serve as 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 matter. 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.



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

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Power Semiconductor Diodes and Diode Circuits. **Chapter 3:** Diode Rectifiers. **Chapter 4:** Power Transistors. **Chapter 5:** Thyristors. **Chapter 6:** Phase Controlled Rectifiers. **Chapter 7:** DC Choppers. **Chapter 8:** Inverters. **Chapter 9:** AC Voltage Controllers. **Chapter 10:** Cycloconverters. **Chapter 11:** Some Applications. **Chapter 12:** Electric Drives. **Chapter 13:** Power Factor Improvement. **Chapter 14:** Switching Mode DC-DC Converters. **Chapter 15:** Power Supplies. **Chapter 16:** Flexible AC Transmission Systems. **Appendix A:** Fourier Analysis. **Appendix B:** Laplace Transforms. **Appendix C:** Some Useful Functions. **Appendix D:** References. **Index**

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.

