Record Nr. UNINA9910131930903321 **Titolo** Power electronics and variable frequency drives: technology and applications / / edited by Bimal K. Bose Pubbl/distr/stampa Piscataway, New Jersey:,: IEEE Press,, c1997 [Piscatagay, New Jersey]:,: IEEE Xplore,, [1996] **ISBN** 0-470-54711-1 Descrizione fisica 1 PDF (xix, 640 pages): illustrations Altri autori (Persone) BoseBimal K 621.46 Disciplina Soggetti Power electronics - Alternating current Electric driving, Variable speed Electric machinery Power semiconductors **Electrical & Computer Engineering Electrical Engineering Engineering & Applied Sciences** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface -- Acknowledgments -- Introduction to Power Electronics and Drives (Bimal K. Bose, University of Tennessee, USA) -- Chapter 1 Power Semiconductor Devices for Variable Frequency Drives (B. J. Baliga, North Carolina State University, USA) -- 1.1 INTRODUCTION -- 1.2 BASIC

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This original contributed volume combines the individual expertise of eleven world-renowned professionals to provide comprehensive, authoritative coverage of state-of-the-art power electronics and AC drive technology. Featuring an extensive introductory chapter by power-electronics expert Bimal K. Bose and more than 400 figures, POWER ELECTRONICS AND VARIABLE FREQUENCY DRIVES covers each of the field's component disciplines and drives--all in one complete resource. Broad in scope and unique in its presentation, this volume belongs on the bookshelf of every industry engineer, professor, graduate student, and researcher involved in this fast-growing multidisciplinary field. It is an essential for teaching, research, development, and design.