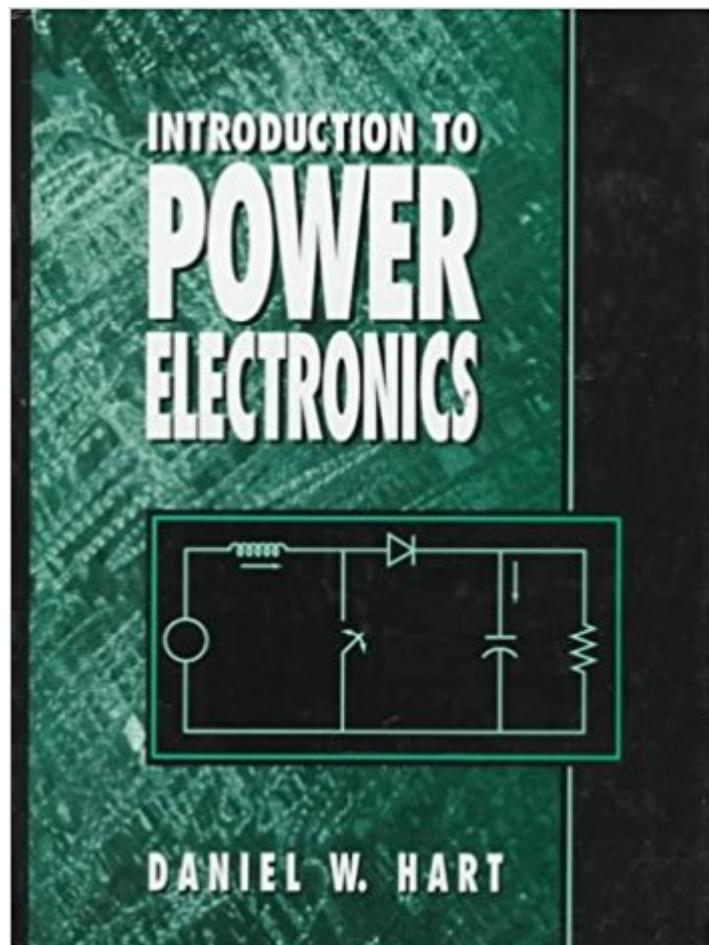


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Introduction To Power Electronics



Synopsis

Exceptionally thorough and impeccably accurate, this book provides thorough coverage of computer simulation and more introductory material on power calculations, as it treats power computations, rectifiers, dc-dc converters and dc power supplies, inverters, and resonant converters. And, with a stronger design orientation, encouraging the use of PSpice simulations to address the book's many design problems and examples, this book stands out as being, at once, comprehensive, accessible, practical and current.

Book Information

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Customer Reviews

Introduction to Power Electronics is designed as a true textbook, complete with numerous examples, problems, chapter summaries and illustrations, and specifically covers power electronic circuits (not devices) specifically for undergraduates. Exceptionally thorough and impeccably accurate, this text provides more coverage of computer simulation and more introductory material on power calculations than most other texts of its kind, as it treats power computations, rectifiers, dc-dc converters and dc power supplies, inverters, and resonant converters. And, with a stronger design orientation, encouraging the use of PSpice simulations to address the text's many design problems and examples, this text stands out as being, at once, comprehensive, accessible, practical and current.

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This is the best book for learning the basics of power electronics that I have found. I have taught power electronics at a university since 1993. Dr. Hart explains complicated ideas and calculations in an easily understood manner. He relates his descriptions and procedures well to junior and senior undergraduates. I have more than a dozen distinct power electronics textbooks, including four copies of Dr. Hart's book. This book and its 2011 "second edition" are by far the textbooks that my students borrow most often; none of those four copies remain on my shelf for long.

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