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Fundamentals of Power Electronics First Edition R. W. Erickson Power Electronics Group, University of Colorado at Boulder About the second edition A new textbook on power electronics converters. This book is intended for use in introductory power electronics courses at the senior and first-year graduate level.

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- Converter circuits
- Control systems
- Magnetics
- Power applications
- Design-oriented analysis

This wide variety of areas is one of the things which makes the field so interesting and appealing to newcomers.

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Fundamentals of Power Electronics Chapter 1: Introduction 20 1.2 Several applications of power electronics Power levels encountered in high-efficiency converters

- less than 1 W in battery-operated portable equipment
- tens, hundreds, or thousands of watts in power supplies for computers or office equipment
- kW to MW in variable-speed ...

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The power electronics field is quite broad, and includes fundamentals in the areas of Converter circuits and electronics Control systems Magnetics Power applications Design-oriented analysis This wide variety of areas is one of the things which makes the field so interesting and appealing to newcomers.

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Fundamentals of Power Electronics SECOND EDITION Robert W. Erickson Dragan Maksimovic University of Colorado Boulder, Colorado . Contents ... 1.1 Introduction to Power Processing 1 1.2 Several Applications of Power Electronics 7 1.3 Elements of Power Electronics 9 References 1 Converters in Equilibrium 11 2 Principles of Steady State Converter ...

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Fundamentals of Electrical Engineering I

fundamentals of electricity Despite the fact that it has been positively determined that electron flow is the correct theory, the conventional flow theory still dominates the industry.

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