

What is electrical power systems quality?

Electrical Power Systems Quality, Third Edition, is a complete, accessible, and up-to-date guide to identifying and preventing the causes of power quality problems. The information is presented without heavy-duty equations, making it practical and easily readable for utility engineers, industrial engineers, technicians, and equipment designers.

What is the second edition of power quality?

The second edition of this must-have reference covers power quality issues in four parts, including new discussions related to renewable energy systems. The first part of the book provides background on causes, effects, standards, and measurements of power quality and harmonics.

What is the third edition of power electronics?

Offering step-by-step, in-depth coverage, the new Third Edition of Power Electronics: Converters, Applications, and Design provides a cohesive presentation of power electronics fundamentals for applications and design in the power range of 500 kW or less.

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Poor power quality can damage computers, phone systems and other microelectronic devices. This book provides a non-mathematical guide to basic power-quality strategies and methods used to protect electronic systems. Changes in both the nature of microelectronic devices (their increasing sensitivity) and the power grid (the increasing stress upon it) are reflected in this ...

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Power Quality in Power Systems, Electrical Machines, and Power-Electronic Drives uses current research and engineering practices, guidelines, standards, and regulations for engineering professionals and students interested in solving power quality problems in a cost effective, reliable, and safe manner within the context of renewable energy ...

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The growing presence of power electronic-based equipment in modern power systems, driven by the widespread integration of modern nonlinear loads (e.g., electric vehicles, heat pumps) and converter ...

The formulations and measures used for power quality; impacts of poor power quality on power system and end-use devices; most important IEEE and IEC guidelines/recommendations/standards referring to power quality; modelling, mitigation and elimination techniques for power quality phenomena are presented. 9 application examples ...

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