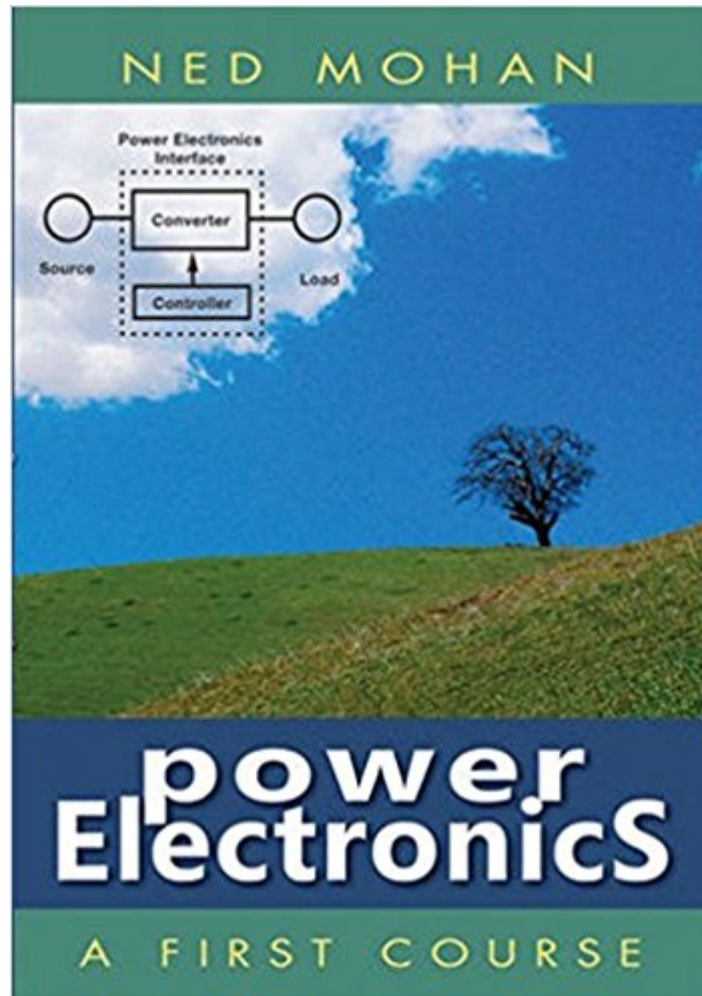




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Power Electronics: A First Course



Synopsis

Author Ned Mohan has been a leader in EES education and research for decades. His three-book series on Power Electronics focuses on three essential topics in the power sequence based on applications relevant to this age of sustainable energy such as wind turbines and hybrid electric vehicles. The three topics include power electronics, power systems and electric machines. Key features in the first Edition build on Mohan's successful MNPERE texts; his systems approach which puts dry technical detail in the context of applications; and substantial pedagogical support including PPT's, video clips, animations, clicker questions and a lab manual. It follows a top-down systems-level approach to power electronics to highlight interrelationships between these sub-fields. It's intended to cover fundamental and practical design. This book also follows a building-block approach to power electronics that allows an in-depth discussion of several important topics that are usually left. Topics are carefully sequenced to maintain continuity and interest.

Book Information

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Customer Reviews

Often engineering books focus a bit too strongly on the math and leave the reader a little confused about what's actually happening. Although it's not perfect, I'd say this book does a pretty good job of nailing the concepts, while leaving most of the mathematics out of it.

Good and straight forward. I used this book during my junior year in college (3 years ago) and it was a nice little book. Tons of helpful equations, some of which aren't even in my grad books. Keep it

handy (its small so no reason not too).

Got this book for a Power Electronics course. The book was very straight forward and easy to follow. My introduction to boost converters was made much easier thanks to this.

Used it for a class but feels a little complicated to understand.

Thank you. Great book just what I needed

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