

1. Record Nr.	UNINA9910270911103321
Autore	Suntio Teuvo
Titolo	Power electronic converters : dynamics and control in conventional and renewable energy applications // Teuvo Suntio, Tuomas Messo, and Joonas Puukko
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , 2018 ©2018
ISBN	3-527-69851-5 3-527-69853-1 3-527-69852-3
Edizione	[1st edition]
Descrizione fisica	1 online resource (1 volume) : illustrations
Disciplina	621.313
Soggetti	Electric current converters Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Sommario/riassunto	Filling the need for a reference that explains the behavior of power electronic converters, this book provides information currently unavailable in similar texts on power electronics. Clearly organized into four parts, the first treats the dynamics and control of conventional converters, while the second part covers the dynamics and control of DC-DC converters in renewable energy applications, including an introduction to the sources as well as the design of current-fed converters applying duality-transformation methods. The third part treats the dynamics and control of three-phase rectifiers in voltage-sourced applications, and the final part looks at the dynamics and control of three-phase inverters in renewable-energy applications. With its future-oriented perspective and advanced, first-hand knowledge, this is a prime resource for researchers and practicing engineers needing a ready reference on the design and control of power electronic converters.

