1. Record Nr. UNINA9910208834703321

Titolo	Power electronic converters [[electronic resource]] : PWM strategies and current control techniques / / edited by Eric Monmasson
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2011
ISBN	1-118-62119-0 1-118-62260-X 1-299-31551-8 1-118-62284-7
Descrizione fisica	1 online resource (xxii, 542 p.) : ill
Altri autori (Persone)	MonmassonEric
Disciplina	621.3815/322
Soggetti	Electric current converters Electric motors - Electronic control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Formerly CIP.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Carrier based pulse width modulation for two-level three-phase voltage inverters -- Space vector modulation strategies -- Overmodulation of three-phase voltage inverters -- Computed and optimized pulse width modulation strategies -- Delta-sigma modulation -- Stochastic modulation strategies -- Electromagnetic compatibility of variable speed drives : impact of PWM control strategies -- Multiphase voltage source inverters -- PWM strategies for multilevel converters -- PI current control of a synchronous motor -- Predictive current control for a synchronous motor -- Sliding mode current control for a synchronous motor -- Hybrid current controller with large bandwidth and fixed switching frequency -- Current control using self-oscillating current controllers -- Current and voltage control strategies using resonant correctors: examples of fixed-frequency applications -- Current control strategies for multi-cell converters.
Sommario/riassunto	A voltage converter changes the voltage of an electrical power source and is usually combined with other components to create a power supply. This title is devoted to the control of static converters, which deals with pulse-width modulation (PWM) techniques, and also

discusses methods for current control.