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Nota di contenuto	Introduction -- Inductor Current Fast Control Method for Grid-Connected Inverters -- Grid Voltage Feedforward Control Strategies with Differentiation elements -- Active Damping Strategies with Differentiation elements -- Stability Margin Enhancement Strategies with Differentiation elements -- Capacitor Voltage Fast Control Method for Current-Source-Inverters -- Differential element applications in Current-Source-Inverters -- Summary.
Sommario/riassunto	This book introduces planning method of power control configuration and structuring method of signal process link for grid-connected power conversion. These methods can be used for readers in research and engineering fields of renewable energy system. In this way, readers wishing to learn these control methods can gain insight on how to design and practice each control method easily. Readership: Graduate students and academics majored in power electronics, and engineers engaged in developing grid-connected inverters for renewable energy system; senior undergraduate students majored in electrical engineering and automation engineering.