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Descrizione fisica	1 online resource (312 p.)
Altri autori (Persone)	WuQiuwei
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Electrification of vehicles : policy drivers and impacts in two scenarios -- EVs and the current Nordic electricity market -- Electric vehicles in future market models -- Investments and operation in an integrated power and transport system -- Optimal charging of electric drive vehicles : a dynamic programming approach -- EV portfolio management -- Analysis of regulating power from EVs -- Frequency control reserves and voltage support from electric vehicles -- Operation and degradation aspects of EV batteries -- Day-ahead tariffs for congestion management from EVs -- Impact study of EV integration on distribution networks.
Sommario/riassunto	Presenting the policy drivers, benefits and challenges for grid integration of electric vehicles (EVs) in the open electricity market environment, this book provides a comprehensive overview of existing

electricity markets and demonstrates how EVs are integrated into these different markets and power systems. Unlike other texts, this book analyses EV integration in parallel with electricity market design, showing the interaction between EVs and differing electricity markets. Future regulating power market and distribution system operator (DSO) market design is covered, with up-to-date
