

1. Record Nr.	UNINA9910830667703321
Autore	Sumper Andreas
Titolo	Micro and local power markets // edited by Andreas Sumper
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2019] ©2019
ISBN	1-119-43456-4 1-119-43457-2 1-119-43454-8
Descrizione fisica	1 online resource (234 pages)
Disciplina	333.79320688
Soggetti	Electric power - Marketing Electric utilities Microgrids (Smart power grids) Energy policy Interconnected electric utility systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Power market fundamentals / Ingrid Munne-Collado, Pol Olivella-Rosell and Andreas Sumper -- Local and micro power markets / Ingrid Munn-Collado, Eduard Bullich-Massaguó, Monica Araguos-Penalba and Pol Olivella-Rosell -- Micromarket in microgrids / Bernt Bremdal and Iliana Iliava.
Sommario/riassunto	"The aim of the book is to provide the basis for understanding of micro power markets, emphasizing in its application for local initiatives, the grid integration of renewable-based generation and facilitating the decarbonization of the future electrical networks. Accordingly, the topics it will cover include: the basic principle of power markets; fundamentals of the power trading, valid for both wholesale and local markets will be described; definition of micro (technical aspects) and local (economic aspects) power markets. Basic organisation of such markets; design of Micro power markets, isolated from the wholesale markets. Design principles, trading schemes with energy, flexibility and services in a small market, taking into account also the economic and

social dimensions; methodologies of the interaction between micro power markets and wholesale markets; business models for micro and local power markets; and regulatory issues of micro and local power markets"--
