1. Record Nr. UNINA9910694150903321

Titolo	Examining the retirement security of state and local government employees : field hearing before the Subcommittee on Employer-Employee Relations of the Committee on Education and the Workforce, U.S. House of Representatives, One Hundred Ninth Congress, second session, August 30, 2006, in Springfield, Illinois
Descrizione fisica	1 online resource (iii, 96 p.) : ill
Soggetti	Civil service - Pensions Local officials and employees - Pensions - United States State governments - Officials and employees - Pensions - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910983376503321

Autore	Yao Wei
Titolo	Active Control of Large-Scale Offshore Wind Farms Connected Via VSC-HVDC / / by Wei Yao, Hongyu Zhou, Yongxin Xiong, Jinyu Wen
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819793464
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (288 pages)
Collana	Power Systems, , 1860-4676
Altri autori (Persone)	ZhouHongyu XiongYongxin WenJinyu
Disciplina	621.042
Soggetti	Renewable energy sources Electric power production Offshore structures Renewable Energy Electrical Power Engineering Offshore Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Structure and Control of Offshore Wind Farms Connected via VSC-HVDC -- Vector Modeling of Large-scale Offshore Wind Farms Considering Dynamic Collection Lines -- Active Energy Control of Converter Stations to Cope With Onshore Grid-Side Faults -- Enhancement Method for Grid-Side Fault Ride-Through Capability Based on Multi-Mode Matching -- Characteristics Analysis and Suppression of Onshore Valve-Side Fault -- Characteristics Analysis and Suppression of DC Submarine Cable Disconnection Fault -- Characteristics Analysis and Suppression of Offshore Wind-Farm-Side Fault -- Communication-Based Coordinated Control for Active Frequency Support -- Communication-Free Coordinated Control for Active Frequency Support -- Consensus-Based Distributed Frequency Support Control for Offshore Wind Farms -- Coordinated Frequency Support Control for Multi-AC Power Grids.
Sommario/riassunto	This book provides a detailed study of the active control methods for large-scale offshore wind farms connected via flexible high-voltage direct current (VSC-HVDC) transmission systems. Firstly, it introduces the basic structure and fundamental control of offshore wind farms connected via VSC-HVDC systems, and proposes a vector modeling method for them. Furthermore, it analyzes the fault characteristics of offshore wind farms connected via VSC-HVDC systems under different fault conditions, and proposes an active fault suppression method based on energy control. Finally, it introduces the method of offshore wind farms connected via VSC-HVDC systems to support the grid frequency. From basic concepts to self-active safety control, and then to active support control of the grid, this book systematically introduces the active control methods of large-scale offshore wind farms connected via VSC-HVDC systems. In particular, it introduces some advanced control methods from the perspective of energy. This book is a useful reference for undergraduate and graduate students interested in offshore wind farms and VSC-HVDC, researchers studying fault ride-through and active frequency support of offshore wind farms connected via VSC-HVDC systems, as well as engineers.