1. Record Nr. UNINA9910467262903321

Autore	Pickenpaugh Roger
Titolo	Johnson's Island : a prison for Confederate officers / / Roger Pickenpaugh
Pubbl/distr/stampa	Kent, Ohio : , : The Kent State University Press, , 2016 ©2016
ISBN	1-63101-203-7 1-63101-202-9
Descrizione fisica	1 online resource (104 p.)
Collana	Civil War in the North
Disciplina	973.7/71
Soggetti	Prisoners of war - Ohio - Johnson Island - History - 19th century Electronic books. United States History Civil War, 1861-1865 Prisoners and prisons Ohio History Civil War, 1861-1865 Prisoners and prisons
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	"Decidedly the best location": establishing the prison -- "A prison for officers alone": early days of operation -- "Everything in prison is elated": the road to exchange -- "It requires only proper energy and judgment": the second wave of prisoners -- "This horrid life of inactivity": the battle with boredom -- "A matter of necessity": prison economics -- "A guard for unarmed men": guards and commanders -- "Almost a fixed impossibility": escapes and attempts -- "The wrath of hunger": rations and Union retaliation -- "A pitiful scene": climate and health -- "Sad and glad at the same time": the road to release.

2. Record Nr. UNINA9910787119603321

Autore	Liu Zhenya
Titolo	Ultra-high voltage AC/DC grids / / Zhenya Liu
Pubbl/distr/stampa	Waltham, Massachusetts ; ; Oxford, England : , : Academic Press, , 2015 ©2015
ISBN	0-12-802360-0
Edizione	[1st edition]
Descrizione fisica	1 online resource (758 p.)
Disciplina	621.319
Soggetti	Electric power transmission - Alternating current Electric circuits - Alternating current
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Ultra-High Voltage AC/DC Grids; Copyright Page; Contents; Preface; 1 Grid Development and Voltage Upgrade; 1.1 Grid Development and Interconnection; 1.1.1 Basic Concepts of Grid; 1.1.2 History of Grid Development; 1.1.3 Status of Grid Interconnection; 1.1.4 Grid Development Trend; 1.1.4.1 Continually enhancing capabilities of the grid for optimal allocation of energy resources; 1.1.4.2 Continuous improvement in system security and reliability; 1.1.4.3 Future grid development; 1.2 Driver for UHV Transmission Development and Its History 1.2.1 Drivers for Developing UHV Transmission1.2.1.1 Meeting the requirement for bulk, long-distance, and efficient delivery of power; 1.2.1.2 Protecting environment; 1.2.1.3 Improving operational security of grids and their overall social benefits; 1.2.1.4 Enhancing capabilities for energy delivery; 1.2.2 History of UHV Development Worldwide; 1.2.3 Innovations and Practices in China's UHV Transmission; 1.2.3.1 Development of UHV AC transmission; 1.2.3.2 Development of UHV DC transmission; 1.3 Hybrid UHV AC and UHV DC Grid; 1.3.1 Features of AC and DC Transmission Technologies 1.3.2 Features of Hybrid UHV AC and UHV DC Grids1.3.3 Basic Principles for Selecting UHV Voltage Classes; References; 2 Characteristics of UHV AC Transmission System; 2.1 Parameters of UHV AC Transmission Lines; 2.1.1 Unit Length Parameters of Transmission Line; 2.1.1.1 Reactance of unit length symmetrically arranged

conductor bundle; 2.1.1.2 Susceptance per unit length of symmetrically arranged conductor bundles; 2.1.1.3 Resistance per unit length of a conductor bundle; 2.1.2 Impacts of Bundle Configuration of Conductors on Inductive and Capacitive Reactance of Lines
2.1.3 Comparison of Parameters Between EHV/UHV AC Transmission Lines2.1.4 Equivalent Circuit of UHV AC Transmission Line; 2.2 Transmission Characteristics of UHV AC Transmission Lines; 2.2.1 Surge Impedance Load; 2.2.2 Transmission of Active and Reactive Power; 2.2.3 Power Loss and Voltage Decline; 2.2.4 Power-Voltage Characteristics; 2.3 Calculation Methods for Stability and Transmission Capability of UHV AC System; 2.3.1 Basic Concept of Power System Stability; 2.3.1.1 Power angle stability; 2.3.1.2 Voltage stability; 2.3.1.3 Frequency stability
2.3.2 Power System Security and Stability Standard and Stability Criterion2.3.3 Calculating Methods for Transmission Capability of the UHV AC System; 2.4 Influence of System Parameters on Transmission Capability of the UHV AC System; 2.4.1 Transformer Reactance/Line Reactance Ratio of UHV System; 2.4.2 Ratio of Generator Reactance to UHV Transmission Line Reactance; 2.4.3 Influence of Connection Scheme of Generators (Power Plants/Stations) on UHV Transmission Capability; 2.4.4 Influence of System Parameters on Transmission Capability of UHV AC System; References
3 Characteristics of UHV DC Transmission System

Sommario/riassunto

The UHV transmission has many advantages for new power networks due to its capacity, long distance potential, high efficiency, and low loss. Development of UHV transmission technology is led by infrastructure development and renewal, as well as smart grid developments, which can use UHV power networks as the transmission backbone for hydropower, coal, nuclear power and large renewable energy bases. Over the years, State Grid Corporation of China has developed a leading position in UHV core technology R&D, equipment development, plus construction experience, standards development and operat