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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 Lines  
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2.3.2 Power System Security and Stability Standard and Stability Criterion  
2.3.3 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

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## 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

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