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address the pressing need for an up-to-date and comprehensivetreatment of the subject, Kim, Sood, Jang, Lim, and Lee havecollaborated to produce this key text and reference. Combiningclassroom-tested materials from North America and Asia, HVDCTransmission compactly summarizes the latest research results, and includes the insights of experts from power systems, powerelectronics, and simulation backgrounds. The authors walk readersthrough basic theory and practical applications, while alsoproviding the broader historical context and future development ofHVDC technology.. Presents case studies covering basic and advanced HVDCdeployments headed by world-renowned experts. Demonstrates how to design, analyze, and maintain HVDC systemsin the field. Provides updates on new HVDC technologies, such as active powerfilters, PWM, VSC, and 800 KV systems. Rounds out readers' understanding with chapters dedicated to he key areas of simulation and main circuit design. Introduces wind power system interconnection with HVDC. Arms readers with an understanding of future HVDC trendsBalancing theoretical instruction with practical application, HVDC Transmission delivers comprehensiveworking knowledge to power utility engineers, power transmissionresearchers, and advanced undergraduates and postgraduates in powerengineering programs. The book is also a useful reference forengineers and students focused on closely related areas such asrenewable energy and power system planning.