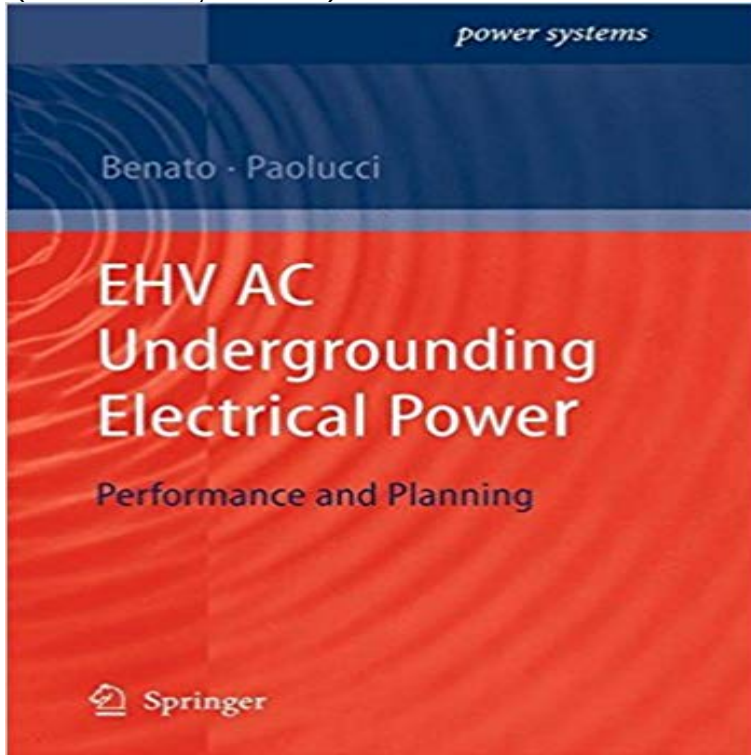


EHV AC Undergrounding Electrical Power: Performance and Planning (Power Systems)



EHV AC Undergrounding Electrical Power discusses methods of analysis for cable performance and for the behaviour of cable, mixed and overhead lines. The authors discuss the undergrounding of electrical power and develop procedures based on the standard equations of transmission lines. They also provide technical and economical comparisons of a variety of cables and analysis methods, in order to examine the performance of AC power transmission systems. A range of topics are covered, including: energization and de-energization phenomena of transmission lines; power quality; and cable safety constraints. EHV AC Undergrounding Electrical Power is a guide to cable insertion planning and the operation of power networks. It will enable readers to make performance comparisons between power transmission systems, which will be valuable for postgraduates, as well as engineers involved in power cable manufacturing or electrical transmission systems.

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