

Static Var Compensator for Voltage Control and Network Reliability Improvement

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Static Var Compensators (SVCs) are increasingly being employed to provide rapidly variable reactive power to control voltages, balance phase load and suppress voltage fluctuations in electric power supply systems and distribution networks. The paper presents a rather new concept for electric power engineering, SVC type, for continuous voltage control on substation buses and to improve reliability of overhead line operation in freezing rain conditions. This SVC type was commissioned at two mountain substations in Western Ukraine.



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