

عنوان مقاله:

A Review of Reactive Power Compensators

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خلاصه مقاله:

Today, due to the increasing use of electrical energy, the issue of electrical power transmission has become very important and is expanding day by day. Expansion of power transmission lines is facing problems that various plans have been proposed to solve. One of these problems is voltage fluctuations and instability throughout the network. To solve this problem, the system reactive power compensation method has been used and various reactive power compensators have been introduced to the market. In this paper, we seek to introduce the types of reactive power compensators and their properties. The main types are capacitive banks, rotating machines, and static reactive compensators (SVCs). Due to the greater use of SVCs in transmission lines than the other two types mentioned, we will focus on this type of reactive power compensator and we will examine more about SVCs

کلمات کلیدی:

Power system operation, Voltage control, power compensators, PWM control, transmission systems

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