

عنوان مقاله:

A Hybrid 60-Pulse STATCOM for Compensation of Reactive Power Under Non-linear Loads Conditions

محل انتشار:

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خلاصه مقاله:

This paper deals with a control system of a hybrid STATCOM for reactive power control under linear and non-linear load condition. The hybrid STATCOM is formed by a 60-pulse converter 5th and 7th passive filters. The converter is a hybrid converter which is formed by 12-pulse converter and 5-level inverter. The presented control system is based on p-q theory. Simulation of the proposed control system is carried out in MATLAB/Simulink and the results verify the control system.

کلمات کلیدی:

voltage source converter (VSC), multilevel inverter, twelve pulses inverter, p-q theory, STATCOM

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