

Design of Three Level Modular Multilevel Converter with SPWM Technique

Mrs. Anuradha P. Gandhi
Government Polytechnic, Nagpur

Abstract: *Modular structured multilevel inverter is very attractive in high voltage and high power applications. The general function of this multilevel inverter is used to produce a desired sinusoidal voltage from several separate DC sources (SDCS).*

A new shunt compensator is presented based on modular multilevel converters(MMC) The transformer less MMC based STATCOM can be controlled for various purpose such as reactive power of STATCOM, simultaneous harmonics cancellation and load balancing procedure..A control strategy is proposed to ensure the source end three currents are sinusoidal and balanced.

Keywords: MMC-Modular Multilevel Converter.