



Nine Level Cascaded Full Bridge Topology for Transformerless System

Jenitha V¹, Annam M²

P.G Scholar, Department of Power Electronics and Drives, Dr.Sivanthi Aditanar College of Eng, Tiruchendur¹
Assistant Professor, Department of EEE, Dr.Sivanthi Aditanar College of Eng, Tiruchendur²

Abstract-This paper deals “A Nine Level Cascaded Full Bridge Topology for Transformer less System”. Nine levels are bridges with different dc-link voltages. One of the bridges is supplied by dc source and another is supplied by a flying capacitor. The main objective is to reduce the harmonic distortion and electromagnetic interference. By designing a transient circuit ground leakage current can be minimized. MATLAB /Simulations are performed to show the best results.

Keywords: Cascaded full bridge, Flying capacitor voltage regulation, transient circuit, ground leakage current.

