DIGITAL SIMULATION OF ZVS DC TO DC CONVERTER USING SIMULINK

R. MADHUSUDHANAN AND S.RAMA REDDY

Abstract

This paper presents digital simulation of ZVS half bridge DC to DC converter with modified PWM control. The switching losses are reduced by using soft switching. Conventional and duty cycle shifted PWM DC to DC converters are simulated using matlab simulink and the results are presented. The principle of operation and the key features of modified PWM DC to DC converter are also presented.