ABSTRACT

The Final Project equipment is working to maximize the cement industry. One of kind that we maximize is the sound sensor and the dc motor is used as a booster to beat Ball Mill materials cement. With 12 Vdc battery voltage is connected with the Boost Converter to be raised to 24 Vdc. Boost Converter to work on the 40 kHz switching frequency with a wide balance of 50%. Boost converter output voltage. Boost converter output voltage at the End of jobs is used as the source for the dc motor as a booster Ball Mill. By using a 3 kg load currents of 2.5 A and the battery output current 3-4 A, with the capacity of 12 Ah battery can play Ball Mill for 1-2 hours.

Keyword: Driver mosfet, Boost Converter