

ABSTRACT

This project proposal is aimed at addressing the problem that existed in the market which the high price inverter protector is presented to normal life community. This circuit will be cheap and will be able to shut down the inverter in an overload condition and produce audible sound to indicate overload condition. The identification of problem based on current situation where by there is a need of low cost inverter protector with an accurate performance. In this report problem statement is presented together with project objectives Data analysis for finding useful values and specification of component used in designing of the circuit was performed well. Useful information required in accomplishing of the project was successfully collected, that include components used and their amount, the value of each component corresponding with cost of each component.

Simulation of circuit was done on proteus software and it show Actual results. Building and testing of the prototype was successfully done.

The project is completed on all phases, objectives of doing project was achieved.