PROJECT TITLE

CAR BATTERY AND DC TO AC INVERTER

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ABSTRACT

This project is valuable and acceptable for a daily use and also for an emergency case like blackout. This project is called power supply (source-part). It required some common electric and electronic devise, such as transformer inverter, transistor, capacitor, resister etc.

Our project is suitable to use for any electrical devices. This is because our supply comes from a car battery. The input supply is 12Vdc and our output is 240Vrms. We use the dc to ac inverter circuit to convert the voltage supply from input dc to output ac. From our part the output will be input to our member's part. There are many benefit can we get from this power supply because we just take a car battery for their source. A car battery are easy to find and it also not expensive. It suitable to use any, times any place and anywhere. It makes our life even easier.

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

SOURCES

Nowadays, machine and electronic devices are created in many quantity. That's why we need to create power supply. We are doing source part in our power supply project. There are so many sources that can be make such as wind, solar, heat, water, car battery and so lot more. We decided to take car battery as our sources instead of other after considering the positive and negative of choices of sources.

INVERTER

We are doing this project not just by taking car battery only as a source but we want to invert it, change the value of 12Vdc that the car battery supply and invert it to 12Vrms then step it up to 240Vrms. Next is , we are going to combine our little project with our second sub team group with their little project which will convert our Vrms to Vdc and next to the last sub group, the output group which will make output display and became one power supply project.