

VARIABLE DUAL POWER SUPPLY

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ABSTRACT

The aim of this project is to design and construct a 'Variable Dual Power Supply'. This product is already available in the market now.

Generally, power supply has becoming more important for factory and college. Most of the factory laboratory used power supply to supply the voltage that they need when do some experiment. Not only for the factory. In college, the electronic laboratory also needs the power supply for the students to for the experiment or do the i.c experiment.

The purpose for this power supply is design to give them easy. A 'bench' power supply is an essential item of test equipment for every constructor, and this mains-powered design provides a fully variable $\pm 3\text{V}$ to $\pm 15\text{V}$ at 500mA . It is short-circuit proof too. Ideal for experimenters, it's just right for audio and op-am circuits, which need a dual rail, supply.

Lastly, this project report is basically concerned with the construction, testing and application of an electronics circuit. It is an assembly of various kinds of electronic components on a circuit board. The relevant diagram and material is places in the body of the report.