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DESIGN AND DEVELOPMENT OF A STABILISED POWER SUPPLY

WITH UPS CHARACTERISTICS

E.791

Project report submitted by
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ABSTRACT

This project suggested by Dr.Christos Marouchos(Ministry of defence)deals with the design,construction and testing of a power supply with ups characteristics.

This presentation is divided into 4 parts

- 1.Rectifier cct.
- 2.DC to DC converter.
- 3.Battery charger.
- 4.Power supply with ups characteristics.

CHAPTER-1 deals with the description of the Full-wave bridge rectifier.

In CHAPTER-2 the function of the switching regulator SG3524 used is described.

CHAPTER-3 Deals with switching regulator which is used as battery charger.Schematic diagrams and description of the ccts.

In CHAPTER-4 the combination of the charger and the DC to DC converter as a ups system is presented.

Graph, cct operation and the results that were taken in the laporatory are included.

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