

UPS Training System

ATM PE 002

Introduction

- Equipment for Education, Engineering and Vocational Training - UPS Trainer. The UPS trainer is a very versatile training system, has been designed to explain a very interesting and frequently used switching based power supply.
- This product is designed keeping in mind that a student can understand each block of UPS in a very easy way.
- Various test points have been provided so that one can check inputs and outputs of each block contained.
- Being different from a conventional block diagram internal structure of blocks is also shown.

Technical Specification

- **Input :** 190 to 250 V 10%, 50 Hz
- **Output :** 170 to 240 V sine wave
- **Transformer Specifications :**
- **Input :** 0 - 6 V
- **Outputs :** 0, 165, 200, 230V
- **Battery charging Outputs :** 14 - 0 V
- Capacity 200W Lamp load AVR
- Battery 12v/7ah(Maintenance free led acid)
- Backup of 5min. on 200w lamp load or 15 min. on pc with CRT(14")
- 14 test Points are provided
- 5 fault switch

Features

- UPS is PWM based technology, which is one of the most important feature of UPS.
- This product demonstrating all basic concepts of UPS.
- Various test points are provided so that one can easily measures the voltages of different sections.
- Designed considering all safety standards.
- Provided with a detailed Operating manual.



Experiments

- To understand the overall functioning of UPS Trainer.
- Study of AVR transformer section of UPS.
- To study the UPS circuit in load condition.
- To identify different faults and to study the systematic
- Procedure of their troubleshooting in UPS circuit.



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