Product name:	Product code:
UPS Trainer	Consumer0007

Description

UPS Trainer

Technical specification

- Input : 12 – 0 – 12 V
- Outputs :
    - 0, 190, 220, 240, 260 V
    - 18 – 0 for battery charging
- Dimension (mm) : W 365 × D 265 × H 120
- Weight : 5 Kg (approx)

Experiments than can be performed

- Study of PWM Technology
- 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

UPS Trainer

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The UPS trainer is a very versatile training system. Has been designed to explain a very interesting and frequently used switching based power supply – The UPS (Uninterrupted Power Supply). The product is designed keeping in mind that a student can understand operation 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. AVR (Automatic Voltage Regulator) is presented in such a way that a student can readily understand its functioning and pin configuration. Since UPS is different from an inverter because its switching changeover time is less than 3 mS which is very less so a computer system doesn't get reboot.

- In depth explanation of PWM switching technology, which is one of the most important feature of UPS
- A Low cost 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
- 2 Years warranty

Technical Specifications

- Input : 190 to 260 V 10%, 50 Hz
- Output : 230 V

Transformer specifications