

Training on UPS Assembling & Manufacturing (Basic)

Duration
4 weeks



Training Objectives

Due to shortage of electricity in the country, load shedding is creating lot of problems in normal routine life. From the last few years, demand of UPS is increasing day by day. In the summer, UPS manufacturing becomes a very charming business. The purpose of this course is to provide sufficient practical knowledge about UPS manufacturing so that the trainee can assemble UPS at his own as per requirement of the customer.

The course is conducted in the Electronics LAB, therefore, the Lab work is maximum and avoids unnecessary theory. Qualified & Experienced Instructors, having professional experience in the field are teaching this course.

Expected Outcome

The participants will be able to

- Compile necessary arrangements for making a UPS
- Do wiring adjustments
- Troubleshoot and remove faults

Targeted Audience

This training is designed for the electrician, technician, or the one's who needs a basic understanding of the application, installation, operation and troubleshooting of UPS systems and storage batteries. The course is open for all having minimum understanding of electric techniques.

Course outline

- Theory of operation
- Working, principal and use of transformer in UPS designing
- Function of rectifiers
- Function and design of oscillator
- Parts of main control Board (e.g. Cut-off system, relay system, safeties etc)
- Design of Darlington pair and its use in UPS
- Complete Wiring diagram of UPS
- Complete assembly and disassembly of UPS
- Troubleshooting and fault diagnosing in UPS
- Battery recommendations for a specific wattage UPS.