

Solar Trainer



Introduction

- This trainer is used to perform all the experiments of SOLAR TRAINER. It is useful for experimentation as well as project work
- This trainer is designed in fashion, all sections can be operate individually. This is useful for ITI, Diploma, and B.tech
- For research / Project work we give optionally re-programmable facility & PC interface with Labview Easy to perform,
- This trainer is very useful for ECE,EEE,EE,ME and I&C Eng streams .

Technical Specification

- Voltmeter : 0-20V
- Ammeter : 2Amp
- Inverter Circuit : 12V -240
- DC Load : 2 Nos
- AC charge control Unit : 1
- 2 Solar Pannel
- Aluminium Panel
- Fire protected

Experiments

- Study of Components of Solar Panel Trainer
- Voltage Measurement in Open Circuit
- Current Measurement in Open Circuit
- Series Voltage & Current Measurement of Solar Panel
- Parallel Voltage & Current Measurement of Solar Panel
- To operate DC Load (Fan/ LED)
- To measure the Voltage of DC Load
- To measure the Current of DC Load
- To operate AC Load (Bulb)
- To perform experimentation of inverter circuit
- using solar panel, 12V Battery, Fan, CFL
- To calculate efficiency of Solar Trainer