

Product Name :

Solar Power Generation System (Trainer)

Product Code :

Lab Trainers0017

Description :

Solar Power Generation System (Trainer)

We are Leading Supplier of Solar Power Generation System (Trainer) in We India also bulk supply Solar Power Generation System (Trainer) for laboratory tensors.

Technical Specifications**Training Programs To Be Performed**

Study of radiation intensity with different inclinations of the solarimeter

Calibrating the solarimeter with the solar radiation

Plotting charts of daily diurnal insulation, for total, diffuse and direct radiation, on horizontal surface and on surface perpendicular to the sun rays

Graphical and Statistical results interpretations

Assessing the current output of a solar cell by changing its orientation to the light source

Experimental assessment of voltage current curves of a silicon cell for different lighting values

Assessing the maximum electric power output by a silicon cell for different lighting or insulation values

Calculating the efficiency of a photovoltaic cell

Parallel and series connection of solar cells

Calculation of the average power supplied by a silicon cell panel

Battery recharge

Power Source : 220 ~ 230V AC, 50Hz, 1 Phase

Solar Power Generation System Consist Of

Solarimeter with bar for shadow projection

Milliammeter with 2 ranges : 1mA s. (x1, x4)

Voltmeter with 2 ranges : 1 V s. (x1, x4) : 0.5 A f.s. (x1, x4)

Load Rheostat

Silicon Solar Cells of standard dimensions

Portable Compass
Solar Tracking System
Solar Panel made of Silicon Cells
Lead Accumulator
DC Motor
Solar Ruler

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