

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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