



PHOTOVOLTAIC SOLAR ENERGY TRAINING SETUP

RN 219

Description:

A solar cell, or photovoltaic cell, is an electrical device that converts the energy of light directly into electricity by the photovoltaic effect, which is a physical and chemical phenomenon. It is a form of photoelectric cell, defined as a device whose electrical characteristics, such as current, voltage, or resistance, vary when exposed to light. Individual solar cell devices can be combined to form modules, otherwise known as solar panels. Solar cells are described as being photovoltaic, irrespective of whether the source is sunlight or an artificial light. They are used as a photo detector (for example infrared detectors), detecting light or other electromagnetic radiation near the visible range, or measuring light intensity.

Specifications:

- Two Photovoltaic cells with ability to adjust in parallel and series configurations
- Solar power meter
- Battery
- Solar charge controller
- Projector as light source
- Consumer
- Electrical control panel with switches and displays
- Carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Ability to calculate the inlet power of cells
2. Ability to calculate the efficiency of cells

Required For Operation:

- 220 v Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm: 2000x 900 x 1700

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