



Solar Power Generation & Training System

Designed to teach basic concepts about generating electricity from solar energy. Shows excess energy directly from the sun.

System will be capable of generating Solar power/ electricity of 500Watt and also be used as detailed training system.

- Provided with meters for analysis of parameters
- Provided with all safety protections
- Connector Sheathed Shock proof type
- DC Voltmeter & DC Ammeter
- Multi Function Meter
- MPPT type charge controller
- MPPT Charge controller having protection against short circuit , output over voltage and also self-protection against excessive temperature of heat sink.
- MPPT based charging process with four stage control, along with ATC (automatic Temperature Compensation)

List of Experiments:

- The Geography behind Solar PV installation:
- Site assessment and planning before Solar PV installation
- Understanding the Sun position and tilting of Solar PV module
- Analysis of voltage and current at different tilt angles
- Effect of shadow on Solar PV system

Note: Specifications are subject to change.