

4. Module Mounting Structure:

This is made up of galvanized iron frames and angles. In this structure, flexibility is provided to change the module-mounting angle seasonally. This structure is grouted small civil work and modules are mounted subsequently. Also, this mounting structure should be earthed suitably at several places if voltage of the array is more than 50 volts. It depends upon:

- Angle of elevation
- Maximum solar ionizing radiation
- Strong framework
- Air cooling

5.Earthing kit:

Earthing kit provides to earth the mounting structure. The installation shall have proper earth terminals and shall be properly earthed. The earth resistance should not be more than 2 ohms.

Earth provided shall preferably maintenance free using earth resistance improvement material. We require different types of cables to connect module to module, modules to charge controller, charge controller to battery, or connect battery to load required. The cable size used for as SPV interconnection of module, Charge Controller and battery shall be minimum 2 X 2.5 sq. mm Cu. Cable. As far as some hardware is concerned the screws and bolts/nuts are of Chrome plated, stainless steel and brass so that rusting should not be taking place.

