

INSTALLATION GUIDELINES

2. INSTALLING A SOLAR PANEL

- Civil Foundation Job
- Assembly and Fixing of support structure
- Mounting of solar module on the support structure
- Installation of battery bank
- Interconnection of SPV panel in series and parallel configuration, charge control unit and FJB
- Connection of Battery bank and load
- Earthing of lightening protection unit

3. ELECTRICAL WIRING

Next step is to do the electrical wiring of the modules. Universal connectors like MC4 are used during wiring because these connectors can be connected with all type of solar panels. These panels can be electrically connected with each other in the following series.

3a. Series Connection: In this case, the positive wire of one PV module is connected to the negative wire of another module. This type of wiring increases the Voltage match with the battery bank.

3b. Parallel Connection: In this case, the positive to positive and negative to negative connection is done. In this type of wiring, voltage of each panel remains same.

After the connection of the module cable with the correct polarity, closing the junction box and tie the module cable on the module frame.