

PRECAUTIONS AND PREVENTIVE STEPS

Please ensure that:

- SPV Modules are connected in parallel and SPV Panel output voltage is less than 25 Volts under normal sunshine condition (for 12 V System/Module)
- All connections are properly made tight and neat using the crimped Red (for +ve) and Black (for -ve) wires supplied by the manufacturer in order to avoid reverse connection
- The SPV of the fuse in the charge controller is not charged
- The SPV Panel installed faces SOUTH and with the correct 'Angle of tilt'.
- There is no shadow on any part of the SPV Panel at any time of the day, to get maximum power
- SPV Modules are protected against any act of vandalism and accidental strike or hit by heavy objects, like stone, hammer etc; If the SPV Panel is installed on ground, it must be fenced properly to protect it from cattle and to prevent from any damage/theft; Fencing should be made in such a way that no shadow should fall on SPV Panel at any time of the day
- Battery Bank is placed on a rack or platform insulated from ground and placed in a well-ventilated room with sufficient clearance for the battery
- First the Battery Bank, then SPV Panel and then Load is connected to SPV charge Control Unit and for disconnection reverse sequence is adopted
- Battery terminals are never shorted even momentarily as shorting will result in heavy spark and fire. (To avoid the same, connect the cable at charge controller end first and then battery end)
- Never connect the Load directly to the SPV Panel as SPV Panel may give higher/lower voltage than required by the Load Equipment and hence the equipment may be DAMAGED permanently
- Blocking diode in output terminals for protection against reverse property
- Make sure that the Solar PV module gets direct sunlight throughout the day where you install it, let direct sunlight fall on the panel without shade
- The Green indicator on Charge controller is an indication for charging which will glow even for small amounts; To ensure efficient charging, the availability of direct sunlight over the Solar PV module for the maximum hours of the day should be ensured.