

INSTALLATION OF SOLAR PANEL

Solar modules are to be installed firmly and permanently on metallic structures. The structures depend on the application and size of the system. For smaller systems like solar home system, simple module mounting structures are used. For system like solar street lights, solar power street lighting, solar pumps etc. pole mounting solar frames are used. For bigger system like solar power plants and solar powered Railway signalling installations, bigger array mounting structures are used.

Testing before installation:

Before installation the solar panels are tested at the manufacturing unit to check for the following parameters:

- V_{oc} - Open circuit voltage
- I_{sc} - Short circuit current
- V_{max} - Maximum Voltage
- I_{max} - Maximum Current
- P_{max} - Maximum power at Standard Test Conditions or Peak Power Output.

