

BOS & EPC SERVICES



We at Static Energy have a team of Engineers and technicians who have experience and expertise in EPC services for more than 4-5yrs. Our EPC team study the every aspect of site and install it in best possible way. Our team first do survey of site and plan every part the plant accordingly they prepare BOS at our workshop to suit the site aesthetics and conditions perfectly, so that the Plant installed by customers gives maximum output. We Design the entire protection unit, Mounting System and other accessories at our factory accordingly by our Engineering team. The series of steps which we follow for every INC are

- a. Survey of site by our Engineers & preparing all drawings, Electrical SLD as per site
- b. Designing & manufacturing Mounting System, Protection Unit, Combiner box and other parts need for the site. Transferring complete BOS to site.
- c. Installation of module mounting structure and module as per the plan
- d. Installation of PCU, AJB, ACDB, DCDB and other accessories as per plan

Some of our Site Installed pictures are as below:



AC DISTRIBUTION BOX & DC DISTRIBUTION BOX

We manufacture all type of AC distribution BOX and DC Distribution box, DC FUSE panel etc for solar application ranging from 1KWp to 500KWp. The boxes are customized as per the technical requirement of the project. The boxes are suitable for all solar application and govt projects. The electrical parameters can be set as per need with the degree of protection required for input and output.

Specifications :

- Powdered coated iron box as well as IP boxes also available
- AC and DC monitoring available
- External connectors for easy & quick connection
- Customized solution for Govt. Projects
- Available for 1KWp to 500 Kwp
- Fuse panels are also made



ARRAY JUNCTION BOX (AJB) & MAIN JUNCTION BOX (MJB)

The array junction box is used to combine all strings in one group and then supplied to the Solar PCU. We at Static Energy tries to solve the problem of all solar integrator in a more technical and commercial way.

We design all AJB boxes as per our customer need and tries to ensure that their plant is always safe electrically. Our AJB boxes having salient features are listed below:

1. Enclosure is Dust, Vermin and waterproof made of FRP/ABS plastic with IP65 protection.
2. The terminals are connected with suitable copper wire.
3. Have proper cable gland for cable entry of appropriate sizes on both incoming and outgoing side.
4. HRC DC fuses are fitted to ensure early fault.
5. Reverse blocking diodes are provided with each string to safeguard reverse flow of current.
6. Surge protection device (SPD) or Metal oxide varistors (MOV) are provided for the surge protection.
7. Bus bar type end terminal connectors are provided to ensure there is no loose connection in o/p side.

We customize all type of AJB as per site need and specification, our AJB are best designed to suit all environment conditions.



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