

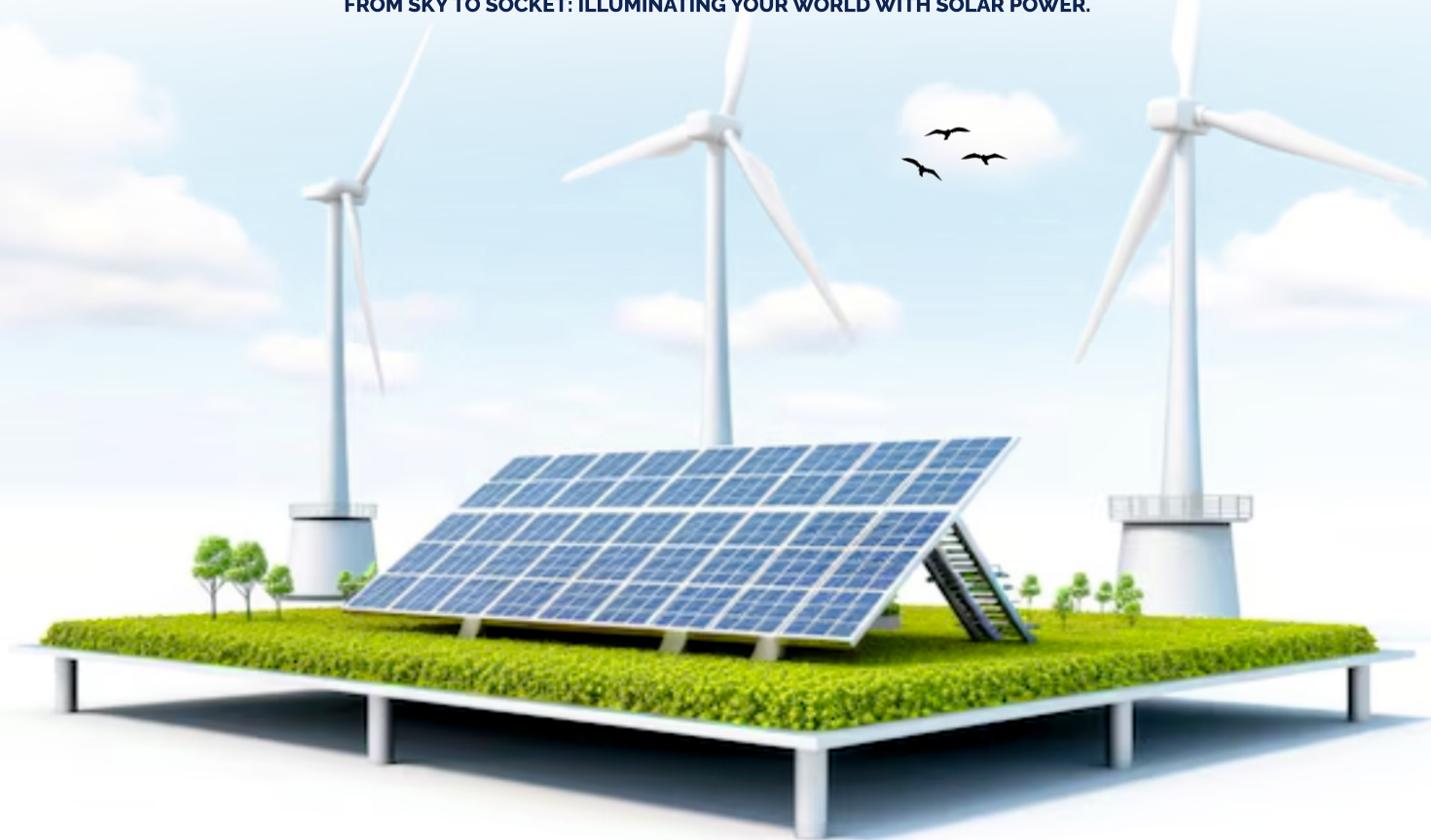


**Sky Power**<sup>TM</sup>  
**Energy**  
Brighter Tomorrow.

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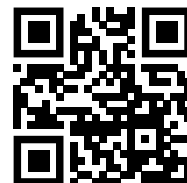
## **HARNESSING THE SKY'S ENERGY FOR A BRIGHTER FUTURE**

FROM SKY TO SOCKET: ILLUMINATING YOUR WORLD WITH SOLAR POWER.



### **EMPOWERING TOMORROW WITH SOLAR POWER TODAY**

At Sky Power Energy, we are passionate about harnessing the boundless power of the sun to create a sustainable and eco-friendly future. Our journey began with a vision to make clean, renewable energy accessible to everyone, and today, we are proud to be a leading force in the solar energy industry.







## OUR SERVICES

- \* **Rooftop Solar Projects**
- \* **Utility Scale Solar Projects**
- \* **Operations & Maintenance Services**
- \* **Solar Water Heating System**
- \* **Consultancy Services**

We are into Design, Engineering, Procurement, Construction, Operations and Maintenance of Rooftop and Utility Scale Solar Projects. We provide quality consulting services related to pre-feasibility studies, detailed project report, design & plant audits and financing for solar power projects.

## OUR DETAIL SCOPE OF WORK

SS Management & Organization is completely capable to handle all the projects ranging from 1kW to 1MW and higher capacity utilization projects. SES is in association with prominent solar equipment manufacturers & suppliers in India, US & Europe. SS helps the clients to select the suitable panels, battery backup systems, required mounting structures, accessories & also liaison with various Government & Departments to get required approvals/subsidizes incentives. SES also assures the after sales service for the projects.





# SELECTION OF SITE

To provide both government /private land options to meet the Solar Project

Developer(SPD)/Client needs for setting up a solar project keeping in mind the technical requirement for solar projects, connectivity, terrain and the type of soil.

To do complete radiation and generation analysis of the site based on the available solar radiation and the solar technology used.



# ENGINEERING AND DESIGN

- Preparation of layout, single line diagrams, CAD's and basic engineering drawing documents.
- Preparation of erection key diagrams, electrical and physical clearance diagrams, design calculations for Earth- mat, Bus Bar & Spacers, indoor and outdoor lighting/illumination etc.
- Detailed engineering of all components, protection system, switchyard, switchgear, cabling system, LV & DC system .



# HOW SOLAR ENERGY WORKS

- Sunlight contains tiny particles of energy called photons
- When the sun's rays hit a solar panel, material inside the panel - usually silicon - absorbs the photons
- The photons excite the electrons inside the silicon's atoms until they begin to dart around and break away, forming an electrical current
- Copper wiring inside the panel serves as a highway for the current
- This direct current (DC) travels out of the panel through a control device called an inverter, which changes it to the alternating current (AC) we use
- The electricity then passes from breaker boxes to outlets throughout the building
- Electrical items such as computers and lights can then run on this pollution-free solar energy
- Whatever isn't used goes back into the electrical grid so it can be used by someone else.

