

SUMO

PRODUCT BROCHURE

SUMO international Pvt. Ltd.

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SUMO Product Brochure

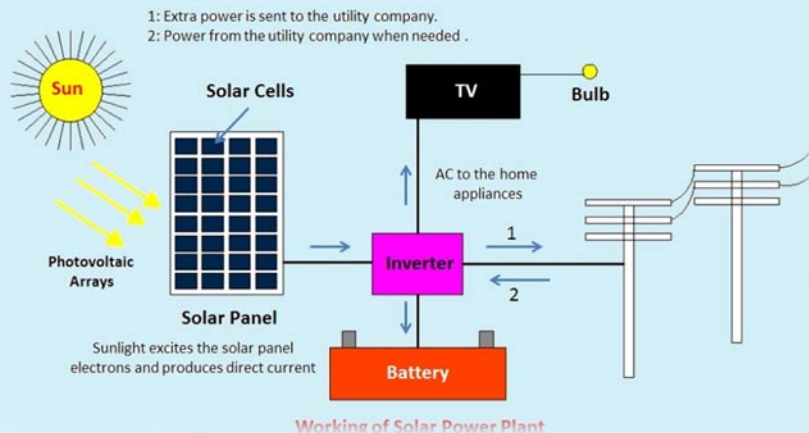
We SUMO International Pv. Ltd. under our parent organization of Supernova Industries, Situated overseas in Dubai, specializes in Solar Energy Solution as well as providing the Project Management Service in Solar Energy. There is a professional team of engineers and operational professionals working within our company. We have people who have on ground experience of the circumstances in India and Abroad. This ensure on-time and on-required service at sites. The team of engineers and developers at our firm are the best in their own way and we are committed to provide timely service to our esteemed clients.



INTRODUCTION

Harnessing of non-polluting renewable energy resource to control greenhouse gases is receiving top priority from the government of India. The solar mission which is part of the National Action Plan on Climate Change has been set up to promote the development and use of solar energy for power generation and other uses with the ultimate objective of making solar energy competitive with fossil-based energy option.

With the downward trend in the cost of solar energy and appreciation for the need for development of solar power, solar power projects have recently been implemented. A significant part of the large potential of solar energy in the country could be developed by promoting grid connected solar photovoltaic power systems of varying sizes as per need and affordability coupled with ensuring adequate return on investment.



About Solar Energy

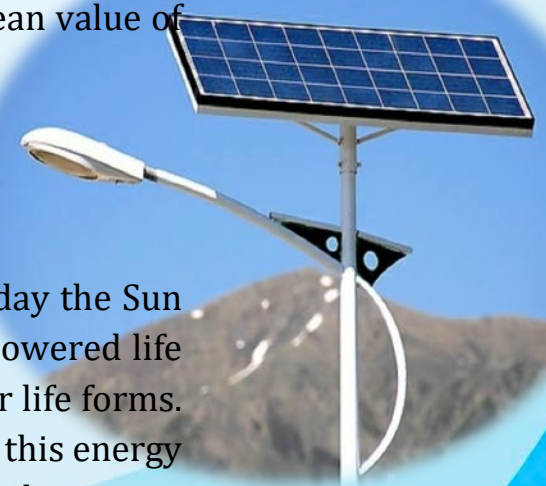
The strength of the solar energy available at any point on the earth depends, on the day of the year, the time of day, and the latitude of the collection point. The amount of energy collected can be further changed depending on the orientation and shape of the object doing the collection. Insolation is a measurement of the amount of solar energy that reaches the surface of the Earth.

The amount of insolation an area receives depends upon the Sun's angle, the amount of dust and water vapor in the air, and the amount of cloud cover. Less than half of the radiation energy we receive from the Sun makes it to the ground. The rest is absorbed by the atmosphere or reflected-back out into space.

The strength of solar radiation at the outer edge of the earth's atmosphere when the earth is taken to be at its average distance from the Sun is called the solar constant, the mean value of which is 1.37×10^6 ergs per sec per cm^2 , or about 2 calories per min per cm^2 .

Why Solar

Solar energy is energy provided by the Sun in the form of solar radiation. Every day the Sun radiates, or sends out, an enormous amount of energy. This Radiant energy has powered life on earth for millions of years and is one of the most important source of energy for life forms. Solar energy is a renewable resource and it is becoming increasingly common that this energy is converted and used as an alternative to fossil fuels. Many technologies can harvest it directly to produce solar electricity for use in homes and businesses globally.



ABOUT SUMO

SUMO INTERNATIONAL PRIVATE LIMITED is a trustworthy No.1 Company in the field of renewable energy portfolio especially solar system and solutions at affordable cost to our customer. Sumo strongly believes inequality and customer satisfaction.

Sumo has a latest ISO certified Company for Grid connected solar power plant.

SUMO has well experience engineering and managerial staffs who are more than 20 years experiences in solar field.

SUMO has its basket different kinds of solar solutions and products.

Preparation of feasibility studies and DPR for a solar power plant

Design, Engineering, Installation, Commissioning as well as maintenance of grid connected & off grid Solar power plants.

- ❖ Solar Micro-grid System (On-Grid/ Off-Grid/Hybrid)
- ❖ Solar street lighting systems (LED/CFL)
- ❖ Solar vaccine refrigerator
- ❖ Solar home lighting system
- ❖ Solar lantern with battery charging station
- ❖ Custom build solar solution.
- ❖ Solar water pumping system for irrigation and drinking purpose



OUR WORK

- **100 KWP Off-Grid Solar Power Plant at Kargil Campus, University of Ladakh**



- **100 KWP Off-Grid Solar Power Plant at Leh Campus, University of Ladakh, Kargil**



- **25 KWP Off-Grid Solar Power Plant at Polytechnic College, Kargil**



- **25 KWP Off-Grid Solar Power Plant at Zanskar, UT Ladakh**



- **10 KWP Off-Grid Solar Power Plant at Fish Farm Damsha, Kargil**



- **10 KWP Off-Grid Solar Power Plant at Employment Exchange, Kargil**



- **10 KWP On-Grid Solar Power Plant at Bagnan College, West Bengal**



- **10 KWP Solar Pump Set at Patharpratima, South 24 Pgs., West Bengal**
- **121 KWP Off-Grid Solar Power Plant under Education Dept. Kargil**
- **About 1000 nos. Solar Street Light at Kargil**
- **About 700 nos. Solar Home Light System at Kargil**



THANK YOU