



Solar Roof Top PV Solutions by James
GENERATE ELECTRICITY AND SAVE MONEY
Using your Idle Roof Top



- ◆ **Solar Power Generating Systems :**
On-Grid / Off-Grid Systems / DC Systems
- ◆ **Solar Water Heaters**
- ◆ **Solar Street Lighting Solutions**
- ◆ **Industrial UPS & Inverters**



JAMES Renewable's (i) Pvt. Ltd.

AN ISO 9001 : 2015 CERTIFIED COMPANY



JAMES Renewable's (i) Pvt. Ltd.

Since our inception as a Batteries manufacturer in 1980 James group has become leading power products manufacturer and supplier. By focusing on efficient operational management and continuous technological innovation we have been able to deliver manufacture sustainable high Quality power products to customers across India. We not only manufacture standard products but also manufacture products as per customer's requirements- in batteries, ups & solar systems.

Keeping eye on future James group is developing new methods and products to give you the maximum output and performance with minimum loss of energy. For we believe energy saved is more power gained. Our customer policy is to provide the correct solution for his need and not just sell him a product. We intend to grow our market share, further diversify our customer base and expand geographically.

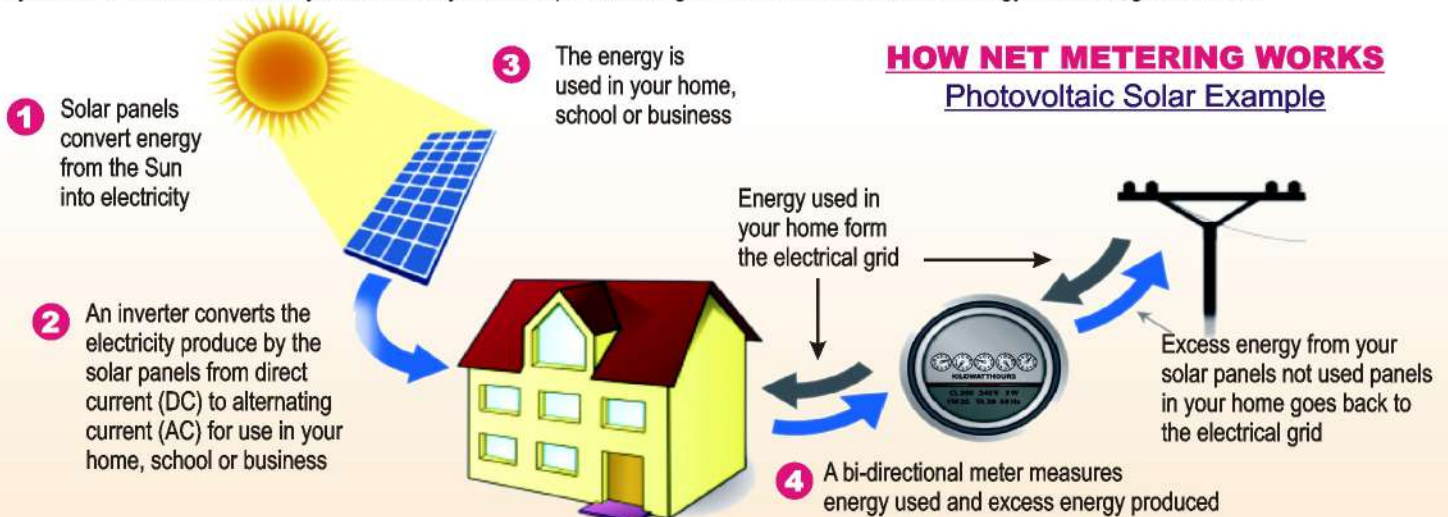
Meanwhile we will continue to dedicate our efforts to provide customers with better solar products and service through constant improvement and innovation.

We look forward to fruit full business relationship with you

Solar Photovoltaic Systems

ROOFTOP GRID-TIED SOLAR SYSTEMS :

Rooftop Grip-Tied System is a gird connected solar system that is installed on the rooftop. The system can be installed on the land also. The system converts solar electric (PV) power into utility grade electricity. This electricity can be used to run all kinds of electrical appliances and any excess generated can be transmitted back to power grid. The system does not contain any battery; hence it is highly eco friendly. The main objective of the installing this system is to reduce the electricity bills drastically. It also helps in reducing on non-renewable source of energy like diesel, gas, coal etc.



HOW IT WORKS?

- ◆ Sunlight is converted to DC form of electricity by solar panels.
- ◆ This DC electricity is converted to AC form of electricity by solar inverter.
- ◆ This combined electricity of solar and gird will be given into load from the control panels. Hence no change in wiring is required in the organization internal setup.
- ◆ The grid in this case acts as a back up to the Rooftop Grid-tied Solar System. In case of power failure, D.G. set/Electric Inverter can act as a back-up or reference to the system.

APPLICATIONS :

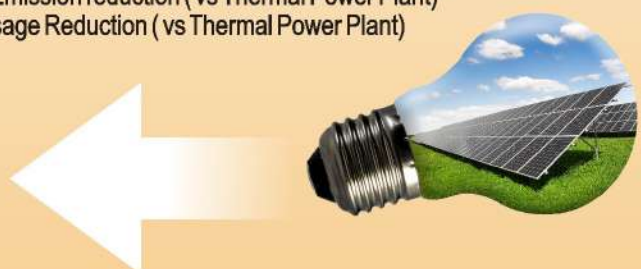
The Rooftop-Grid Tied solar system is best suited where electricity consumption is high. The systems can be installed on idle rooftops of homes, schools, hotels, hospitals, colleges, industries, showrooms, offices, petrol pumps etc.

CAPITAL ADVANTAGES

- ◆ 30% Capital subsidy
- ◆ 80% Accelerated Depreciation
- ◆ 50% Reduction in Diesel consumption
- ◆ Carbon Credit
- ◆ Free electricity from solar after 3-5 years
- ◆ Drastic reduction in electricity bills
- ◆ IEC Approved Components
- ◆ Power Generation Guarantee

ENVIRONMENTAL ADVANTAGES

- ◆ 94.4% Carbon Emission reduction (vs Thermal Power Plant)
- ◆ 99.4% Water Usage Reduction (vs Thermal Power Plant)





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SOLAR OFF-GRID SYSTEMS

Solar panel will produce DC (Direct Current) electricity, and this electricity will be run through inverter to produce AC utility electricity.

Solar Off-grid and Hybrid Systems to grid supply is not compulsory, battery storage is needed to provide power at night. Holiday or vacation homes without access to the electricity grid can use solar systems more cost-effectively than if the grid was extended to the location.

Solar PV systems are suitable for Residence, Offices, Industries, Parking & All remote area.

- SALIENT FEATURES :**
- Silent, non polluting & renewable
 - Safe, clean and quite operation
 - Use own generated power
 - 25 years of life span
 - Low maintenance



SOLAR STREET LIGHT

- **"Battery Less" Solar Street Light System**
- **Theft proof**
- **Integrated maintenance free Li-ON Battery**
 - ❑ Low idle current
 - ❑ Upper and deep discharge cutoff
- **Intelligent Circuitry**
 - ❑ Automatic Dimming
 - ❑ Autonomy without adding extra battery / Panel cost
 - ❑ Integrated sensor provides 10 hour operation
- **Simple, Low cost installation**
 - ❑ 20-40% lower cost than lead acid based solutions
- **IP65 compliant**



SOLAR WATER HEATING SYSTEM



SPECIFICATIONS

- ◆ High Density Galvanise Thick Tank (Avg. 12 Gauge)
- ◆ Thick Tank gives more strength
- ◆ PUF Insulation
- ◆ Marine Inside Coating
- ◆ Aluminium embossed side cover
- ◆ G.I. Sheet Stand
- ◆ S.S. Nipples (Thread fitted on coupling)
- ◆ Hot Deep Galvanise Base & Leg

APPLICATIONS

- ◆ Household Water Heating
- ◆ Hotel & Restaurant
- ◆ Industrial & Commercial
- ◆ Swimming Pool
- ◆ Health Club etc.
- ◆ Boiler Feed Water Preheating
- ◆ Hostel
- ◆ Hospital
- ◆ World's latest Innovated technologies.
- ◆ High temperature.
- ◆ Less scale due to tube big diameter.

OUR INSTALLATION

DR. KHARKAR



JOHN 23RD CBSE SCHOOL



S. K. FARM



DEDHIA SUPER MARKET



VIVA MCA



ST. JOSEPH COLLEGE



MR. WILSON RESIDENCE



VIVA ENGG.



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