



ENERGIZE THE FUTURE WITH SOLAR POWER

SOLAR ENERGY MANAGEMENT SYSTEM

DESIGN | SUPPLY | INSTALLATION | MAINTENANCE

LightLeader is a fast growing solar power solutions company focussed on delivering value from renewable energy and its applications. We enable our customers to use clean energy in the most cost effective and efficient manner. Our delighted customers stand testimony to the quality of our products and the excellent post installation services.

AREAS OF SOLAR ENERGY APPLICATION

- Residential & Commercial
- Industrial/Factory Warehouse
- Remote Area Electrification
- EV Charging Station
- Farm Irrigation
- Emergency Power Supply for Marine vessels
- Petrol Station



RESIDENTIAL & COMMERCIAL



EDUCATIONAL INSTITUTION & HOSPITAL



INDUSTRIAL & WAREHOUSE PREMISES



EV CHARGING STATION



PETROL STATION

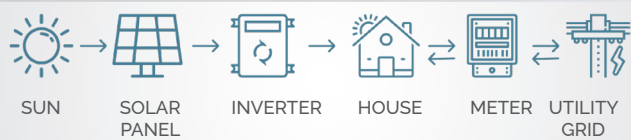


MARINE VESSELS

TYPES OF PV SOLAR INSTALLATION

ON GRID SYSTEM

On-Grid Solar Systems are essentially installed in Residential, Commercial and Industrial buildings where regular power supply from State providers is available. This system can be upgraded to a hybrid system with battery backup

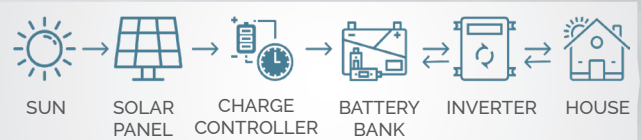


A D V A N T A G E S

- Lower equipment costs as compared to Off-Grid Solar.
- Reduce the burden of high tariff electricity bills, year on year tariff increase (average 3% - 4%).

OFF GRID SYSTEM

Off-grid can be stand-alone power system or mini-grids generally supply electricity to a smaller community. This system is not connected to the utility grid and hence it does not pull power from the grid when the solar power generation is low. Off-grid solar power also stores DC electricity in batteries.

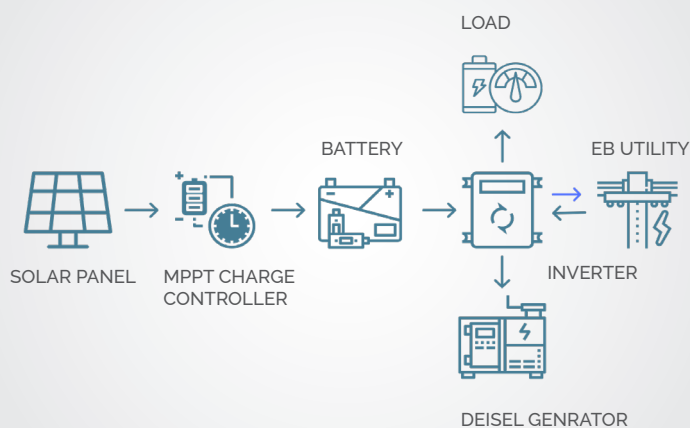


A D V A N T A G E S

- Most suitable for remote installations where power is not available or unreliable with frequent power cuts.
- Customers can size the battery bank as per needs.

HYBRID SYSTEM

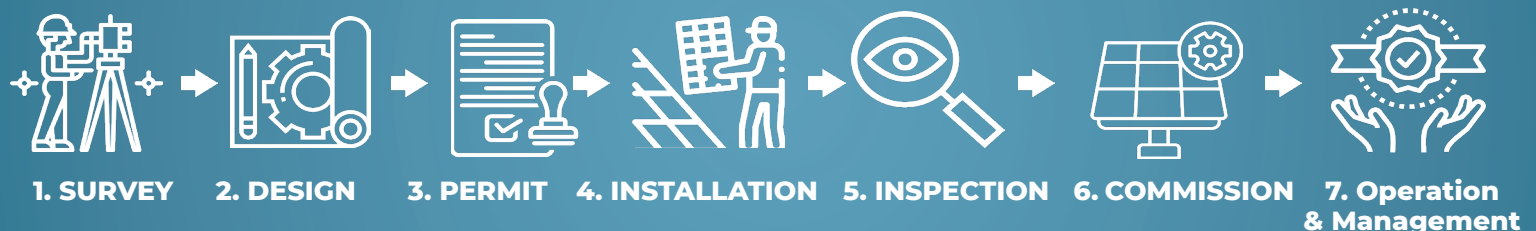
The hybrid solar power system is a combination of On-Grid and Off-Grid based solar power systems. In simple terms, one can define it as a grid connected solar power system with a battery backup added.



A D V A N T A G E S

- It comes with the advantage of storing energy in the battery when the solar panel operates at its peak and retrieving the stored energy during peak evening hours when electricity rates are high or in case of any grid failure.
- Also, one can sell the surplus energy generated to the local grid-connection and get paid for the same.

OUR PROCESS



BENEFITS OF LIGHTLEADER

Solar helps users consume less from the grid.



Our advanced technology allows you to store the solar power energy and use it at night.

Enjoy uninterrupted power supply.



Low maintenance in terms of time and cost.

Save Upto 80% Electricity Bill



Optimal utilization of available vacant roof space

Earn income by selling power to grid (Based on Electricity supply company rules).



Scalable Design

SPECIALIZED SOLUTIONS

SOLAR STREET LIGHTING SYSTEM

Solar street lighting system uses the photovoltaic technology to convert the sunlight into DC electricity through solar cells. The generated electricity can either be used directly during the day or may be stored in the batteries for use during night hours.



1. Compact Design with integrated Solar Panels, LED Light, Motion Sensor, Li-Ion Battery and Solar charge Controller.
2. Lithium Ion battery technology provides long term and maintenance free product life.
3. Microprocessor based design enables intelligent and efficient working.
4. Completely Off Grid design with very easy installation.
5. Motion Sensor adjusts LED brightness to extend the light backup time.

SPECIALIZED SOLUTIONS



SOLAR WATER PUMPING SYSTEM

Solar water pumping system is a special application of the solar power system which is used for running a motor pump set. This can run with a brushless DC motor or an AC motor. The system requires a shadow-free area for installation of the solar panel.

SOLAR FENCING SYSTEM

Solar fencing is a specialized solution of off-grid solar power system that works like an electric fence which delivers a brief yet fierce shock when human beings or animals come in contact with the fence. The shock enables a deterrent effect while ensuring that no loss of life is caused.



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