



**PUNARVI**  
PROJECTS PVT LTD

HARNESS THE POWER OF SUN



**SOLAR EPC**

Solar Power Plant & Roof Top System







## ABOUT US:

FLASH SOLAR ENERGY INDIA PVT LTD and MEGATRON POWER INDIA are joint venture companies.

FLASH SOLAR ENERGY is Asia's leading independent solar power producer and offers clean and affordable solar energy to its customers.

Flash Energy is committed to each customer with quality installation and to making solar an effortless experience.

By providing solar energy as a service, to manages the entire project process for its customers, to reduce the cost of generating electricity and provides long term predictable pricing.

## OUR VISION:

Flash has a vision to be global, innovative and competitive renewable energy enterprise providing total solutions to customers of solar energy products and services.

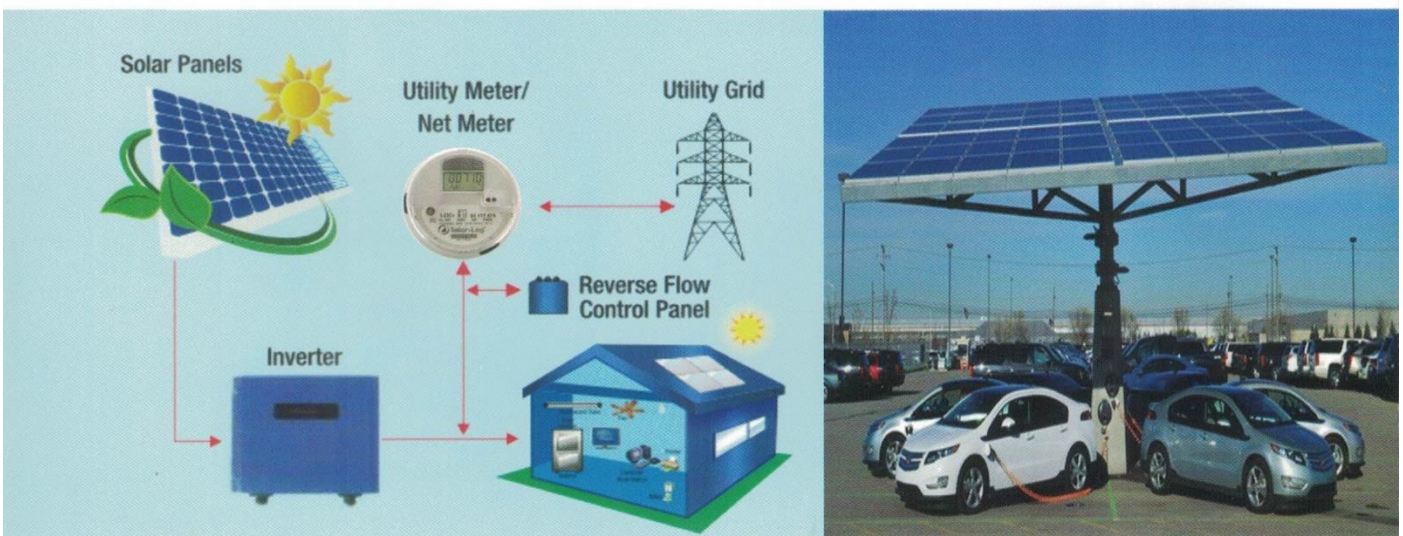
We offer a complete turnkey solution from resource Characterization, Design, Engineering, Optimization and location wise Techno-Engineering customization, Installation and Commissioning with O&M support

## GRID CONNECTING SYSTEM

### - DOMESTIC & COMMERCIAL / CAR PARKING SHED (NET METERING)

Recommended for day time usage

- Without battery, so economical with no recurring & replacement
- It syncs and shares the energy with grid to reduce the electricity bill.
- Adopts 2nd generation components for high efficiency and reliability
- 99.99% MPPT efficiency with innovative weak light generation technology to harvest more power during low radiation
- Wi-Fi inbuilt features for remote monitoring of all the parameters on Phone or PC

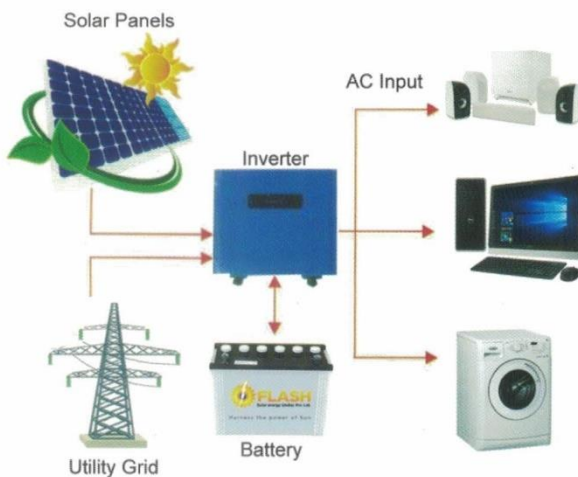




## OFF GRID SYSTEM (Captive – Self Consumption)

Recommended where there is frequent power failures & Remote control areas.

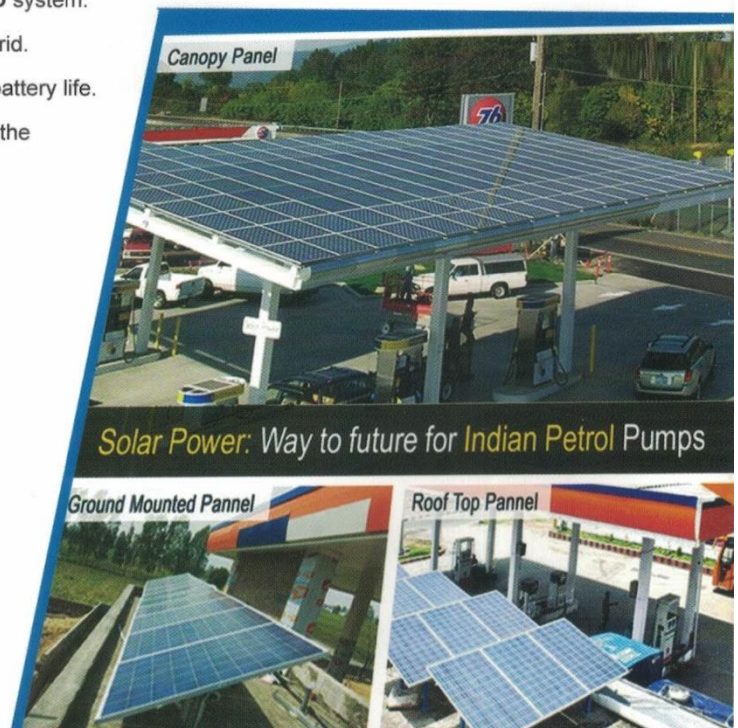
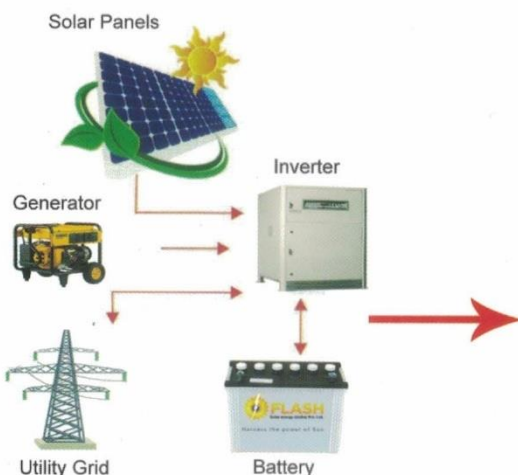
- MPPT Technology for solar utility & battery mode.
- It syncs & shares the energy with solar grid & battery to reduce the electricity bill.
- Modular technology can be upscaled in future & No maintenances.
- LCD features for remote monitoring of all the parameters.



## SOLAR FUEL PUMP BI-DIRECTIONAL NET-METER WITH BACKUP SYSTEM

Recommended where there are less power failures & reduce the electricity bill.

- One can enjoy the benefits of OFF-GRID and ON-GRID system.
- Programmable supply priority for Solar PV, Battery & Grid.
- Battery management system to protect & enhance the battery life.
- **FLASH ENERGY** provides 24x7 remote monitoring for the performance of the project.



## **SOLAR EPC**

### **Solar Potential in India**

- Asia is blessed with high solar radiation with 5-7KWH per sq. mtr. Per day.
- Over 310 sunny days in a year so more generation.
- Solar energy reduces the carbon foot prints by reduction of fossil fuel.
- There is huge gap between supply and demand of electricity in India so solar PV has great potential.
- Highly reliable technology which lasts for 25 years without polluting the environment.
- India government has given attractive incentives to individuals companies & developers for setting up solar PV plants.

### **Other services**

- Procurement & deployment of land with statutory permission.
- Registration & permission with nodal agencies utility companies & MNRE.
- We facilitate attractive third party PPA scale under open access carbon credits & RECs.
- Facilitating soft loans & financing.
- Project ECA under PMI certified team.

### **Operation & maintenance**

- Password protected remote & real time monitoring for power generation & faults.
- Ensure periodic maintenance.
- Ensure high energy efficiency with high energy yield.
- 24x7 surveillance & monitoring.

### **Application :-**

#### **Roof Top Solar and Mini to Mega Watt Power Plants.**

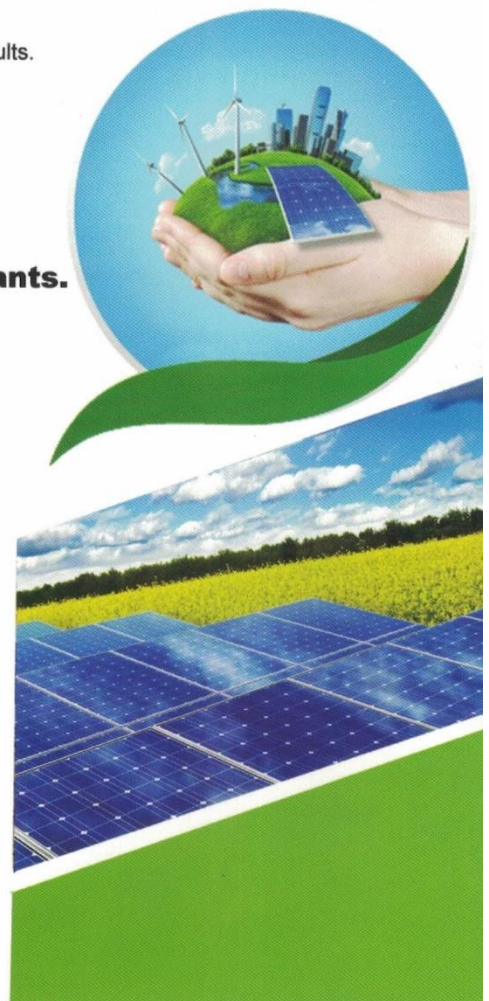
Small to Large scale project : Hospitals, Industries, Hotels,  
Educational Institutes, Shopping Malls, Apartments, Societies,  
Farm Houses, Building Façade, Elevated Rooftops, Inclined Rooftops,  
Car Paring, Petrol Pumps etc.,

### **Product range**

**FLASH SOLAR ENERGY** is renowned manufacture and trader of wide variety of Products

#### **Our list of products includes:**

- Solar PV Modules.
- Solar Inverters.
- Solar Water Heaters.
- Solar Water Pumps.
- Solar Street Lights.
- Solar Power Fencing.



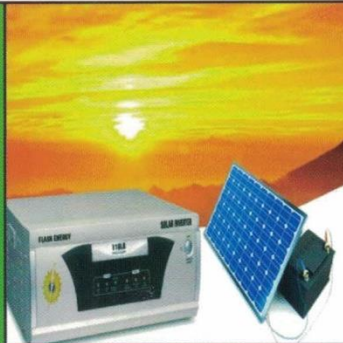




**PV Modules:**

The solar photovoltaic modules are composed of high quality mono or multi-crystalline cells. We supply for the domestic as well as overseas markets. Renowned manufacturer and trader of world wide companies of Products

- Guaranteed 25 years output



**Solar Inverters:**

Flash Solar having powerful hybrid inverters with inbuilt charge Controller. The Solar Inverter charges the battery from both Solar panel and Grid. Renowned manufacturer and trader of world wide companies of Products Solar On Grid & Off Grid Inverters.

**Solar Water Heaters**

We provide the Ultima™ ETC & FPC range of Solar water heaters that are specially designed for modern high end pressurized system and application – Homes, Hotels to Commercial Application.

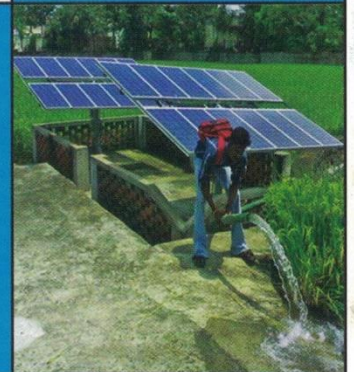
- Reduce Electricity & Gas bills.
- Free hot water for more than 10 years.
- One time investment.



**Solar Water Pump (RYTHU NESTHAM)**

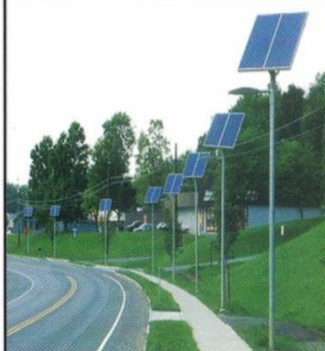
Solar water pumping systems are used to pump small amount of water using solar energy. They can be practical solutions in rural areas not connected to an electrical Grid.

- Continuous water supply during sunny time.
- One time Investment.



**Solar Street Light**

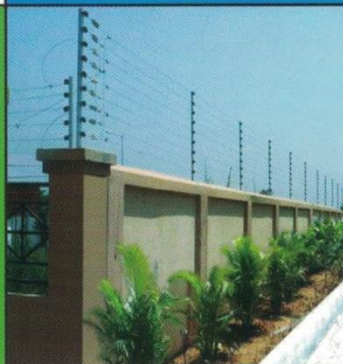
Solar Street light is stand alone solar system. No need of man power | Auto ON/OFF high durability with low cost (One time Investment). Solar lighting system offer an Environment, Friendly and Economical to Light Up Streets, Parks, Compounds, Highways, Airports, Any Public Area, etc....



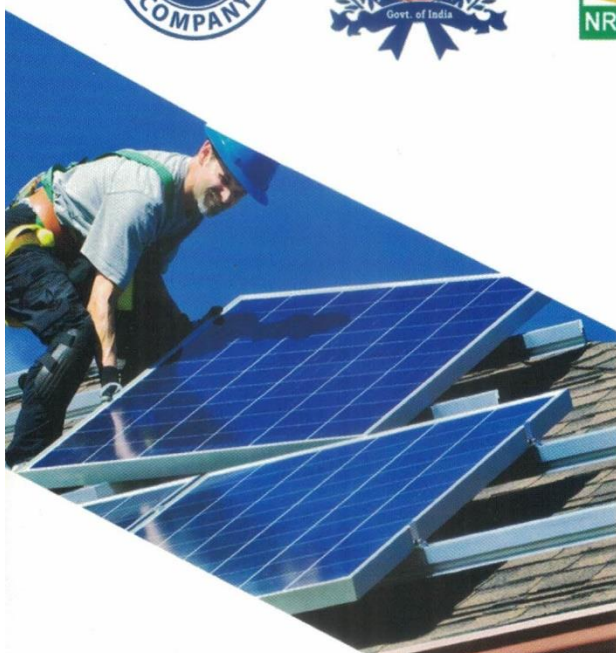
**Solar Electric Fencing**

Solar powered electric fencing system has varied applications in Agriculture, Industrial, Forest or Plantation Sectors. Any Domestic Security Process, etc. When an animal or human come in contact with the fence, they receive a sharp but non lethal electric shock. Wires are made of high tensile materials and an alarm system detects shorting or cutting of the wires

- High security with low cost
- Long life span



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**NSIC**  
ISO 9001 : 2008



Go Green with Solar Energy.  
Save \$ and Preserve Our Planet.



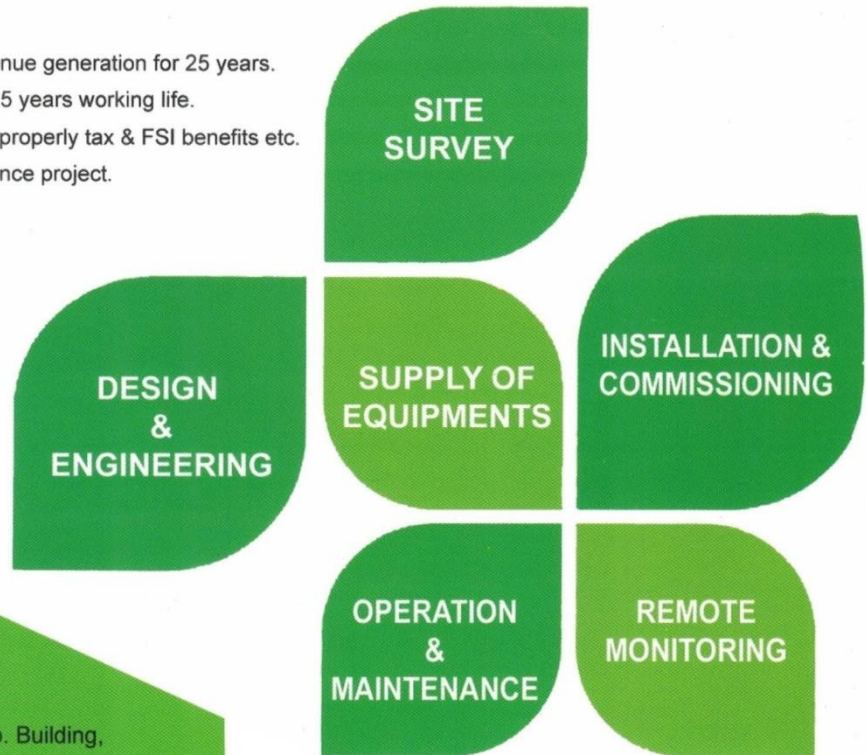
With 24x7 remote monitoring system





## Business solution: From Concept to Commissioning

- \* Attractive ROI & IRR
- \* 80% accelerated depreciation
- \* Income tax exemption under 80IA
- \* Payback of 5-7 years. There after a revenue generation for 25 years.
- \* Highly reliable & low maintenance with 25 years working life.
- \* Other benefits like REC, carbon credits, property tax & FSI benefits etc.
- \* Remote online monitoring, low maintenance project.



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P&T colony, OPP-Hyundai showroom,  
Tirumalagiri, Sec-bad-15.

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