



SOLAR ENERGY PRODUCTS



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Sunflare Solar Pvt. Ltd.

ALL IN ONE SOLAR STREET LIGHT



All In One Solar street Light is a new age and compact lighting solution integrating Highly Efficiency Solar panels, LED light, Lithium-ion / LiFePo4 battery and a PIR motion sensor. (With motion sensor, In case any movement is there, it senses it and glows to full level, Then it comes back to lower level after sometime, automatically.) The light has automatic dusk to dawn operation and needs negligible maintenance once installed. The All In One Solar street light uses high quality material and It designed for Indian environments. Due to its compact size, This light can be easily mounted on pole by any person.

- Suitable for Outdoor
- Easy to Installation
- Compact design with Inbuilt Li-ion battery & LiFePo4 Battery

Feature:

- Microprocessor based driver enables intelligent and efficient working
- Lithium ion battery with BMS
- Aluminium Housing
- Protection against battery overcharge, deep discharge, reverse flow
- Low battery and charging indication
- Inbuilt Solar Charge Controller
- PIR motion sensor adjusts LED brightness to extend light backup time



Sunflare Solar Pvt. Ltd.

SOLAR LED STREET LIGHT WITH INBUILT LITHIUM ION BATTERY



Sunflare Solar Pvt Ltd. Offers new solar led street light with inbuilt hi efficiency solar charge controller as well as lithium ion battery with dimming option i.e. First Four hours at full Brightness and then, rest of the time at lower light level (Optional with motion sensor, In case any movement is there, it senses it and glows to full level, Then it comes back to lower level after sometime, automatically.) We provide complete lighting solution as well luminaries as per customer demand. (Dimming timing is adjustable as per requirement)

Feature:

- Compact design with Inbuilt battery
- Completely off-grid design with easy installation
- Microprocessor based design enables intelligent and efficient working
- Lithium ion battery with BMS
- IP 65 Aluminium Housing
- Auto dusk to dawn operation
- Inbuilt Solar Charge Controller
- Protection against battery overcharge, deep discharge, reverse flow
- Low battery and charging indication
- Easy to installation

7W to 30W LED street light system with LiFePO4 Battery / Li-Ion Battery



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SOLAR STREET LIGHT LUMINARIES

Sunflare solar offers a wide range of LED street light luminaries as well as complete systems. We deal in innovative, qualitative and cost- competitive range of LED street lighting System.

Feature:

- Auto dusk to dawn system.
- Inbuilt charge controller.
- Low battery & charging Indications
- Protection with low battery. Over charging, short circuit etc.

SOLAR STREET LIGHT SYSTEM

Feature:

- Auto dusk to dawn system.
- Inbuilt charge controller.
- Low battery & charging Indications
- Protection with low battery. Over charging, short circuit etc.
- Liminare, Solar Panel, Battery, Pole & Accessories.



60W



40W



30W



24W



9-15W



12W

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SOLAR STREET LIGHT DRIVER

SUNFLARE offers wide range of solar street light driver with inbuilt PWM / MPPT solar charge controller with using world class components –



SSL PWM (6W to 30W)



SSL MPPT (6W to 30W)

Feature:

- Microcontroller based driver
- Inbuilt PWM / MPPT Solar Charge controller
- Operating voltage 12VDC (Also available in 24VDC)
- Dusk to dawn operation
- Compatible with PIR motion sensor (Optional)
- Temperature compensated battery charging
- Low battery and charging Indication
- Protections with Solar reverse connection, battery reverse connection, over charging, deep discharging, short circuit etc.
- Multiple dimming option
- Suitable for Lithium ION / LiFePo4 and lead Acid Battery.
- Available 6W to 60W



SSL PWM (40W to 60W)

SOLAR STREET LIGHT SYSTEM WITH REMOTE MONITORING SYSTEM

- Solar street light with inbuilt MPPT solar charge controller
- GSM Based
- Protections with Solar reverse connection, battery reverse connection, over charging, deep discharging, short circuit etc.



Sunflare Solar Pvt. Ltd.



AC STREET LIGHTS

SUNFLARE offers wide range of LED street lights is ideal for lighting up public spaces and buildings. Being highly energy efficient, they save money by cutting down on power consumption, especially over long hours of use.

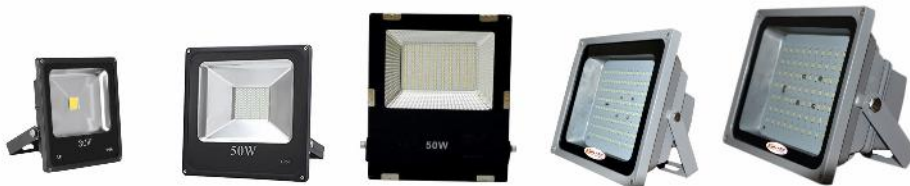


Feature:

- In-built constant current LED driver
- Input Voltage-90-290V
- LED Luminous Efficacy 120Lm/ W
- Power factor >0.95, CRI >80 | THD <10%
- Frequency : 50-60 Hz | Surge Protection 3-5KVA
- World Leading LED Makes-OSRAM / EDISON / EVERLIGHT eq.
- LM-80 Certified LED
- IP rating - IP65 | Fixture Material- Aluminum pressure die casting
- Available from 9W -150W

AC FLOOD LIGHTS

SUNFLARE offers wide range of LED Flood lights is ideal for lighting up public spaces and buildings. Being highly energy efficient, they save money by cutting down on power consumption, especially over long hours of use.



Available: 9W to 300W Flood Light





Sunflare Solar Pvt. Ltd.

SOLAR HOME LIGHT SYSTEM

Low cost Home Light System it is independent Compact 12V DC Solar System. It provides an ultimate solution for remote location where electricity is not available.

In System

- 3W LED Bulb: 2 Nos
- 10W Solar Panel: 1 Nos
- 7Ah Battery, Mobile Charging Option.

*** Available as per are customer requirement.**



3W/5W SOLAR LED LANTERN



- Strong ABS body
- High quality SMD LEDs are used
- Battery Charging indicator provided
- Low battery indication
- Protection: low battery, over charging, short circuit, reverse flow etc
- Solar Panel charging & AC mains charging options.
- Electronic efficiency more than 85%

3W LED | 3W Solar Panel | 4.5Ah-6V Battery(SMF) | Mobile Charging Option

5W LED | 10W Solar Panel | 7Ah-12V Battery(SMF) | Mobile Charging Option

Available with Lithium Ion Battery

LED WALL LIGHT / BATTEN LIGHT

(12VDC) Sunflare offer energy efficient LED bulbs / batten light with IC based driver.

Available in DC 3W, 5W, 8W





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SOLAR CHARGE CONTROLLER

The solar charge controller is control device which control solar PV power and then store in the battery bank. Solar charge controller is an essential part in off-grid system. Its purpose is to keep batteries properly fed and safe for the long term.

The basic functions of a controller are quite simple. Charge controllers block reverse current and prevent battery overcharge and over discharge.



Feature:

- High Efficiency charge controller
- Charging technologies PWM/MPPT
- Voltage limiting and current-limiting charge mode ensures battery in the best charging status.
- Over Charging protection, solar reverse polarity,
- Charging & Low Battery Indications.
- Temperature compensation.

SOLAR CHARGE CONTROLLER WITH LCD / LED DISPLAY 12V/24V

Feature:

- Microprocessor based design
- PWM / MPPT charging technology
- Auto detection 12V to 24V
- Over Charging protection, solar reverse polarity
- LCD /LED display



Available:

PWM from 12V-5A to 240V-100Amp
MPPT from 12V-10A to 360V-100Amp



SOLAR SMU (RETROFIT)

Solar Management unit is a device through which we convert normal Home Light Inverter into Solar Inverter System. System rating 12V/24V/48V-20A /30A/40A



Sunflare Solar Pvt. Ltd.

LITHIUM BATTERY PACK FOR SOLAR

Lithium Battery Pack Suitable for Solar Lights & Solar Street Lights. Lithium Battery - Very light weight and small size compared to Ni-Cd, Ni-MH and Lead acid batteries. Very long life without losing charging capacity.

4.4 Ah to 60 Ah



- BIS Approved
- Low maintenance
- Lesser Weight
- Small Size & Portable
- With BMS



60 Ah Battery

Available in 7.4V / 11.1V / 14.4V / 12.8V

Protection

• Over-Charge Voltage	• Short Circuit Protection
• Over-Discharge Voltage	• Reverse Polarity
• Over-Current	• Over-Temperature Protection



Sunflare Solar Pvt. Ltd.

SOLAR TRAFFIC BLINKERS



Feature:

- Solar Panel: 20W-12V poly crystalline cell.
- Battery: 12V-10Ah SMF
- LED : 5 mm as per requirement
- Main Body CRC Sheet 300mm diameter with Powder coated.
- Water proof body confirming to IP65 standards.
- Operating time: Sustain power supply continuously for over 3 days when in the wet or rainy days after full-charging.
- Colors: Red, Amber and Yellow or as per client requirement.

Feature:

- Construction: Aluminium – alloy.
- Supper bright 6 LEDs with a viewing distance 500-800 meter.
- 100% water proof design confirms to IP 67.
- Solar panel high efficiency poly crystalline
- Battery: one Ni-mh type.
- Compression Strength: 10 Tons.
- Autonomy: 42 hours when fully charged.
- Color: Red, Amber, Blue, Green and White.

SOLAR ROAD STUD



SOLAR GARDEN LIGHT

- Solar Powered Rechargeable 3W LED **Garden Light**
- Auto On-Off Water proof.
- Solar panel 3W-6V
- Battery 6V-4.5A
- Stainless steel cabinet with 2 fit long pole.
- High lumens led used.





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SOLAR ENERGY PRODUCTS



6W-30W
Semi Street
Light



9W-30W
Solar
LED Street Light



40W-80W
Solar
LED Street Light



7-24 Watt
Solar Street Light
with Motion Sensor



6-15Watt

Solar Street Light
with inbuilt Battery



6-30Watt

Solar All In
One Street Light



Solar LED
Street Light System



AC LED Street Light
(18-36 Watt)



AC LED Street Light
9W to 100W



9W-15W
Dolphin Type Solar
LED Street Light



AC LED Flood Light
30W to 150W



5 Watt 3 Watt

Solar
LED Lantern

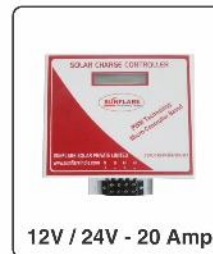


Lithium Ion
Battery



12V / 24V - 40mp

Solar SMU



12V / 24V - 20 Amp.

Solar Charge Controller
with LCD Display



12V-6Amp to 240V-100Amp

PWM Solar
Charge Controller



Solar Hybrid
Charge Controller



Battery Box



Solar LED
Home Light System



LED
Home Light



Array
Junction Box



Solar
Traffic Blinker



Solar Road Studs



Solar Garden Light,
Search Light

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- **SOLAR POWER PLANT**
- **SOLAR STREET LIGHT**
- **ALL IN ONE STREET LIGHT**
- **SOLAR HOME LIGHT**
- **SOLAR LANTERN**

- **SOLAR LITHIUM BATTERY**
- **SOLAR TRAFFIC BLINKER**
- **SOLAR ROAD STUD**
- **SOLAR GARDEN LIGHT**
- **AC FLOOD LIGHT**



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SOLAR ROOF TOP SYSTEM



SOLAR GRID TIE SYSTEM & OFF GRID SYSTEM



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SOLAR ROOF TOP SYSTEM

Power is essential for driving business efficiency in our offices & providing comfort at our homes. While we increase our power consumption for better lifestyle & efficiency, we leave behind a large carbon foot print which has adverse effect on our environment. Solar energy is the most prudent option as it is environment friendly, freely available and inexhaustible and emerging as most economical source of energy for future generations.

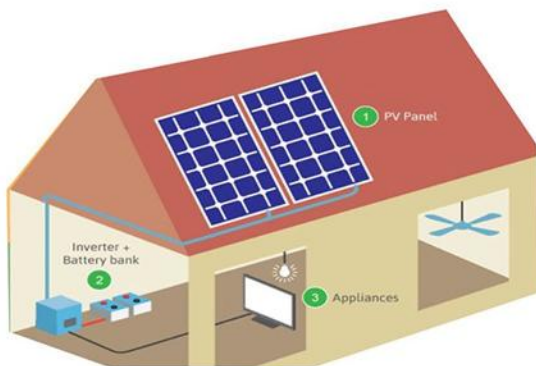
Sunflare offers wide range of customized solar power solutions as per your need (Grid tie system or Off-Grid System) from 1KW and above capacities.



Applications:

Residential complexes | Villa and Row Houses | Office Spaces | Shops | Industries | Schools and Colleges | Hostels | Hospitals | Institutions | Farm Houses, Petrol Pumps etc.

Which have large rooftops and can efficiently utilized for roof top solar installations. There are two distinct options for roof top installations.



SOLAR OFF-GRID SYSTEMS

A solar rooftop system is composed of a set of solar PV Panels, mounted on the rooftop of a building, connected together to generate electricity by converting solar radiation into electrical energy

The electrical energy generated from the array of panels is transmitted to inverter, which converts DC output of solar modules into utility grid electricity.

For off grid systems, a battery bank stores power that cannot be utilised directly by the load. This will be used when requirement of load is more than what the solar PV is providing at a particular time or when power from solar energy is not available, thus reducing the consumption of power from grid and increase savings on your electricity bill.



SOLAR GRID TIE SYSTEMS

PV On-Grid rooftop solar power system is one of the most popularly used solar solutions for houses and commercial establishments. Grid tie solar, also known as on-grid, works in connection with the main grid. It offers the advantage of running load directly through solar and selling excess solar power back to electricity company by feeding in the grid. (where net metering facility is available)

If you have reliable grid and do not wish to have any autonomy, your main objective is to save electricity bills Grid tie solution is the right choice for you.

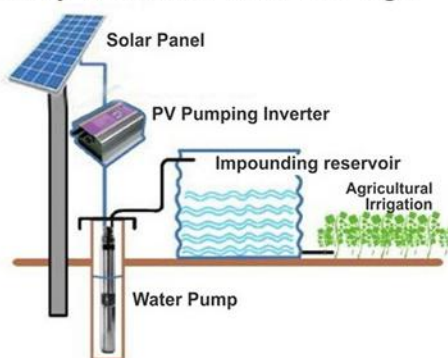


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SOLAR WATER PUMPING SYSTEM

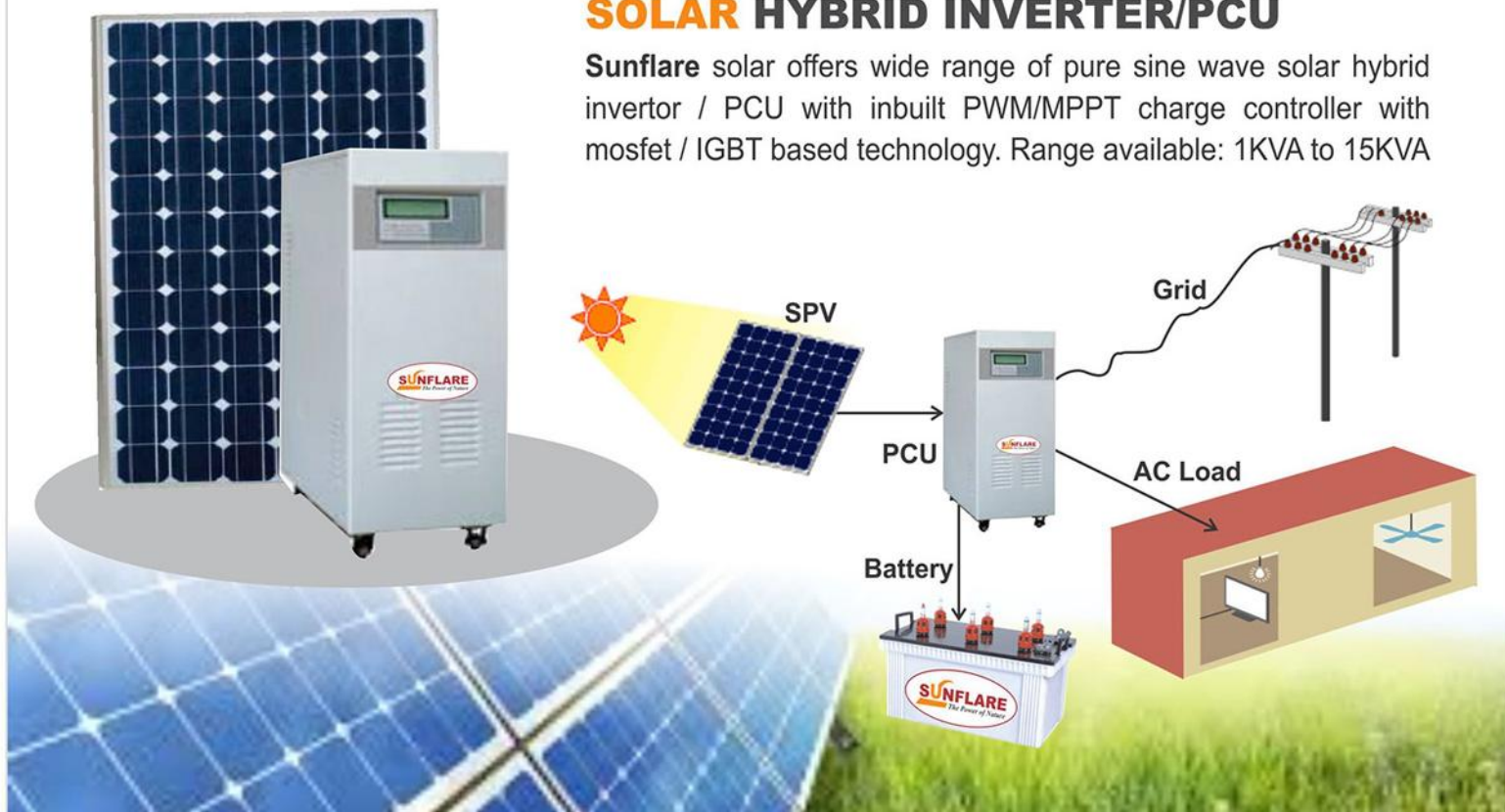
Solar water pumping system is a stand-alone system operating on power generated by solar panels. Solar water pumping system are specially designed to lift water for irrigation, horticulture, farms, garden, domestic use, drinking water and other similar applications. We are introducing **Sunflare** solar water pumping system at very affordable cost with high reliability.

Water pumping system consists of mainly three parts-solar photovoltaic modules, controller, motor and pump. The system requires a shadow free area for installation of the Solar Panels.



SOLAR HYBRID INVERTER/PCU

Sunflare solar offers wide range of pure sine wave solar hybrid inverter / PCU with inbuilt PWM/MPPT charge controller with mosfet / IGBT based technology. Range available: 1KVA to 15KVA





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