



**THE SUN  
DURING THE DAY..**





## about us

**WITH A SIMPLE DREAM  
OF HARNESSING SUNSHINE FOR  
ELECTRICITY AND HAVING THE  
INNOVATIVE GENIUS TO TURN IT INTO  
REALITY, PROLIGHT SYSTEMS WAS BORN.**

Prolight Systems was founded in 1998 with a vision to create a company based on the principles of sustainability and commitment to being a driving part of this revolution. Prolight Systems provides a high quality and cost effective solar energy solution for your business and home. We have commissioned many Rooftop Systems, Renewable Energy Parks & Solar Power Packs in Karnataka, Tamil Nadu, Haryana, Andhra Pradesh, Maharashtra and Rajasthan in India and also completed Solar Installations in Sri Lanka. To sum it all, we have thousands of happy customers.

At Prolight Systems, we believe in energy solutions that will stand the test of time, by providing your project with a customized approach from concept to commissioning that works the best for you. The Solar Photo Voltaic panels that we use and all of the associated products are of the utmost quality. With years of experience under our belt, we design systems to last and you can relax knowing that you are getting the right advice from experts in the solar power industry.

An ISO 9001:2008 Certified Company



**and DURING THE NIGHT.**

## KEY FEATURES

- Portable and light weight - Easy to carry
- Digital LED control circuitry
- High Efficient Constant Power LED Driver
- Built in Battery Charge Controller
- Low Battery indication using RED LED
- Charging Indication using GREEN LED
- Efficient Casing Design for Maximum Light output
- No Visible Light Spots

## SOLAR LANTERN LED, CFL

Illuminate your evenings with CFL or LED lighting that is both portable and rechargeable. The maintenance free battery of our Solar operated Portable Lantern systems is charged by Solar PV Panel, the battery power for lighting a small house hold or outdoor use during night.

### TECHNICAL SPECIFICATIONS - CFL

<b>CFL Power</b>	7 Watts
<b>SPV Module</b>	12 V 10Wp
<b>Battery</b>	12 V 7.2 Ah
<b>Duration after full charge</b>	8 Hours
<b>Idle Current</b>	< 5 mA
<b>LED Mounting</b>	Vertical

### TECHNICAL SPECIFICATIONS - LED

<b>LED Power</b>	5 Watts
<b>SPV Module</b>	12 V 10Wp
<b>Battery</b>	12 V 7.2 Ah
<b>Duration after full charge</b>	8 Hours
<b>Idle Current</b>	< 5 mA
<b>LED Mounting</b>	Vertical



## KEY FEATURES

- 12 or 24 VDC with low voltage disconnect for battery protection
- Environmentally friendly CFC-free refrigerant
- Rugged scratch resistant galvanized steel exterior
- Easy to clean aluminum interior
- Lockable lid with interior light
- Patented low-frost system
- Automatic control with adjustable thermostat
- Baskets for food organization



## SOLAR DC REFRIGERATORS & FREEZERS

**Our solar refrigeration system uses less power than the traditional fridges.**

The high efficiency refrigerators and freezers have exceptionally low energy consumption requiring smaller, less expensive power systems and low maintenance.

High quality construction provides excellent reliability and long life. Super-insulated cabinets feature 11cm of polyurethane insulation with powdered coated galvanized steel exterior and aluminum interior. Easy to maintain, brushless, thermostatically controlled DC compressor operates on 12 or 24 VDC. A patented low-frost system reduces frost and moisture build-up for low maintenance.

### TECHNICAL SPECIFICATIONS

<b>Operating Voltage</b>	12-24 V DC
<b>Ambient Temperature</b>	10 to 43 .C
<b>Temp Tange</b>	-18 to +6 .C
<b>Power input (type/max)</b>	40-100 W
<b>Content (Capacity)</b>	240.4l
<b>Refrigerant</b>	R-134a
<b>Door type</b>	Top opening
<b>Colour</b>	White
<b>Dimensions (W x H x D)</b>	684 x 849 x 1144 mm
<b>Weight</b>	70 Kg.





## KEY FEATURES

- To work through the night
- High efficient Solar street lighting systems
- Integrated battery, allows simple installation
- Automatic On/Off with integrated sensor
- Overcharge/deep discharge prevention cut-off with LED indicators
- High efficiency electronics and thermal management
- Solar Panel has a minimum 25 year life
- No electricity required

## SOLAR STREET LIGHTING SYSTEMS - CFL & LED

From campus pathway lighting to village street lighting, we offer an eco-friendly and economical alternative for public or common area lighting.

The system is equipped with a battery storage backup sufficient to operate the light for 10-12 hours daily. The systems are highly reliable, independent stand alone systems.



### TECHNICAL SPECIFICATIONS - CFL & LED

MODEL	PLSSSL	PLSSLLED M-1	PLSSLLED M-2	PLSSLLED M-3	PLSSLLED M-4
<b>SPV Module</b>	12 V/74 Wp	12 V/40 Wp	12 V/74 Wp	12 V/100 Wp	12 V/150 Wp
<b>Battery</b>	12 V/75 Ah	12 V/40 Ah	12 V/75 Ah	12 V/100 Ah	12 V/135 Ah
<b>Wattage</b>	11 W <b>CFL</b>	10 W <b>LED</b>	15 W <b>LED</b>	20 W <b>LED</b>	30 W <b>LED</b>
<b>CCU(D2d)</b>	12 V/10A	12 V/5 A	12 V/10 A	12 V/10 A	24 V/15 or 20A
<b>Working hours</b>	12 Hours/Day	12 Hours/Day	12 Hours/Day	12 Hours/Day	12 Hours/Day
<b>Autonomy</b> (no. of days)	2 Days	2 Days	2 Days	2 Days	2 Days
<b>Applifications</b>	Street & Roads	Street & Roads	Street & Roads	Street & Roads	Street & Roads



## KEY FEATURES

- Environmental friendly
- Reduction in power bill
- No carbon emission
- Easy installation and easier maintenance
- Greater life span of clean energy
- Long service life

## ROOFTOP ONGRID POWER PLANTS

**A rooftop grid connected solar power system to supply your household with energy.**

This system uses one or more photovoltaic panels, installed on rooftops of residential or commercial buildings, to convert sunlight into electricity. The various components in a rooftop photovoltaic power station include photovoltaic modules, mounting systems, cables, Solar inverters and other electrical accessories.

A rooftop photovoltaic power station can be used in conjunction with other power sources like diesel generators, etc. This system provides an uninterrupted source of power. For organizations/commercial consumers planning to shift from conventional energy to solar power system, a rooftop solar photovoltaic (PV) power plant can not only be cost effective but also money spinner with excess power supplied to the utility grid.

### TECHNICAL SPECIFICATIONS

Model	PLSPPONG M-1	PLSPPONG M-2	PLSPPONG M-3	PLSPPONG M-4
Rated Power	3000 W	5000 W	10000 W	15000 W
SPV Module	24V/250W*12 nos.	24V/250W*20 nos.	24V/250W*40 nos.	24V/250W*60 nos.
PCU	3 KW	5 KW	10 KW	15 KW
Efficiency	97%	97.5%	97.5%	97.5%
Complete Accessories	Provided	Provided	Provided	Provided



### KEY FEATURES

- Off-grid Solar power stores DC electricity in batteries
- Optimum functionality, longer service life, reliable operation
- Capacity 1 kilowatt - 100 kilowatt
- Intelligent MPPT based charge controller
- Assured quality
- Minimum maintenance



## SOLAR OFFGRID POWER PLANTS

**Off Grid Solar Power Solutions for those who are not able to be connected to the public electricity grid.**

In some cases, off-grid solar energy systems include storage solutions such as batteries energy storage, which allow excess electricity to be saved for future use. Prolight Systems provides complete off-grid solar energy solutions that include solar panels, inverters, batteries and accessories

### TECHNICAL SPECIFICATIONS

Model	PLSPPOFG M-1	PLSPPOFG M-2	PLSPPOFG M-3	PLSPPOFG M-4	PLSPPOFG M-5
<b>Capacity</b>	1 KW	2 KW	3 KW	5 KW	10 KW
<b>SPV Module</b>	24V/250Wp*4 nos.	24V/250Wp*8 nos.	24V/250Wp*12 nos.	24V/250Wp*20 nos.	24V/250Wp*40 nos.
<b>Battery</b>	24V 240Ah VRLA/Tub	48V 300Ah VRLA/Tub	48V 400Ah VRLA/Tub	96V 450Ah VRLA/Tub	120V 500Ah VRLA/Tub
<b>PCU</b>	24 V/1 KW	24 V/48 V 2 KW	48 V/3 KW	96 V/5 KW	120V/10 KW
<b>Complete Accessories</b>	Provided	Provided	Provided	Provided	Provided

## APPROVALS & CERTIFICATES



## CONTACT US

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PROLIGHTSYSTEMS.IN



## KEY FEATURES

- Highly reliable Solar PV Water Pump lifts the water from open well or bore wells, works for 6-8 hrs, Daily independently
- Solar PV array powers the pump directly there is no battery in the system, lifts water from 3 mtrs-150 mtrs
- Water produced by the pump can be stored in a tank or used directly for irrigation

## SOLAR WATER PUMPING SYSTEMS

Solar energy as a power source for water pumping is an ideal solution in locations where access to grid power is not available, or where the grid is not reliable. These systems use photovoltaic (PV) cells to convert sunlight into electricity to power DC pumps which can be used to pump groundwater or surface water.

### TECHNICAL SPECIFICATIONS

Model	1HP DC Surface	2HP DC Surface	3HP AC Submersible	5HP AC Submersible
<b>PV Module Watt</b>	900 wp	1800 wp	3000 W	4800 W
<b>Motor Pump set type</b>	1 HP	2 HP	Submersible with electronic controller	Submersible with electronic controller
<b>Max. Total dynamic head</b>	12 Meters	152 Meters	70 Meters	70 Meters
<b>Water output</b>	50000 Ltrs/day from a total head of 10 Meters	70000 Ltrs/day from a total head of 10 Meters	75000 Ltrs/day from a total head of 50 Meters	100000 Ltrs/day from a total head of 50 Meters



## OUR CLIENTS

We are proud to offer our services to a range of state and national government organisations who desire to make a big impact with one small change - Solar Energy.