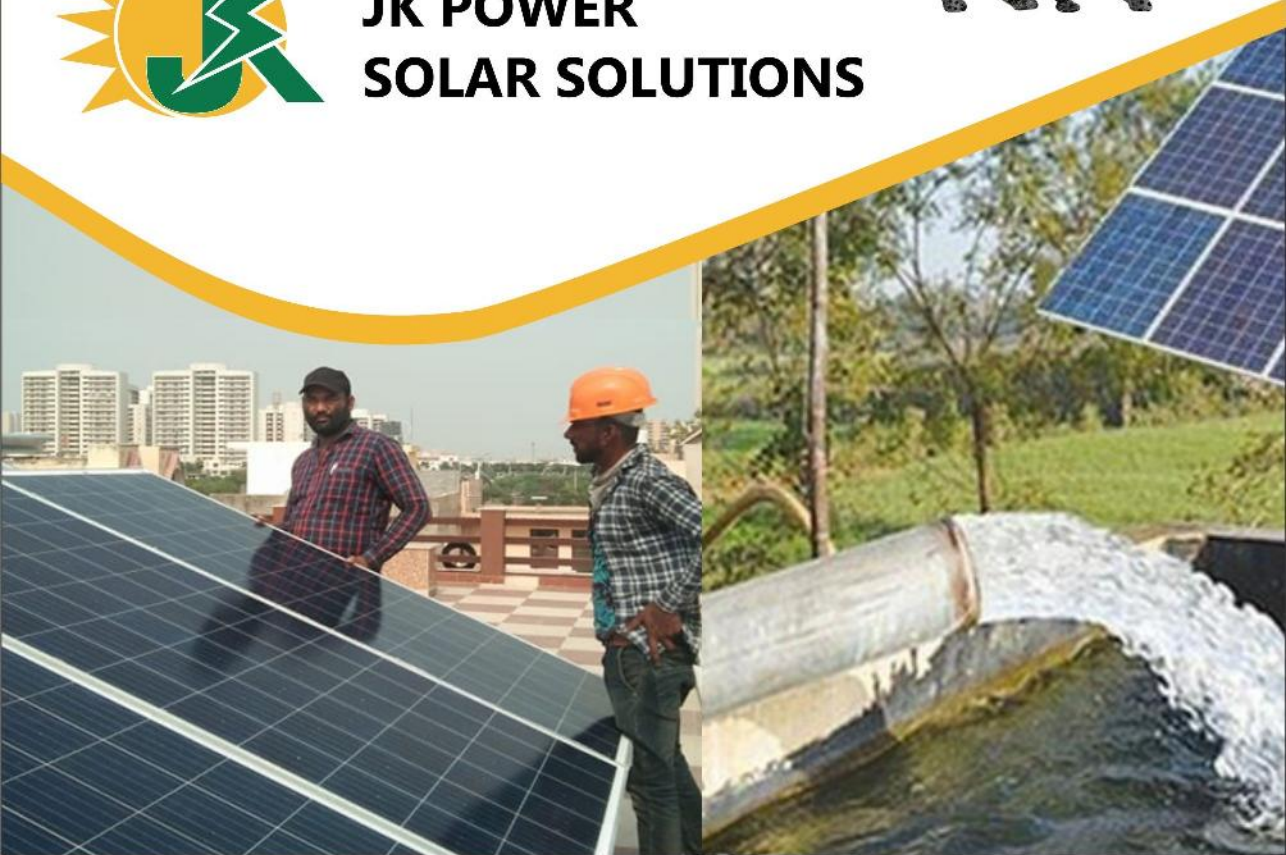




# JK POWER SOLAR SOLUTIONS



[www.jkpowersolarsolutions.com](http://www.jkpowersolarsolutions.com)





# JK POWER SOLAR SOLUTIONS

## About Us:

JK Power solar solutions started its photovoltaic operations in 2011. The company conceptualizes manufactures and designs Solar Photovoltaic Systems, Solar Lanterns, Solar Home Lighting Systems, Solar Street Lighting Systems, Solar Power Plants and other systems for miscellaneous applications. The company has highly qualified, experienced and competent directors in this field. The Company employs nearly 20 personnel covering managers, engineers, technicians & staff. JK Power Solar Solutions has installed many thousands of Lighting Systems for various **Government Nodal Agencies, Government Departments, NTPC, Paramilitary Forces, and Communications & Utility Organizations** etc. The company closely works with various NGO's and institutions on various rural lighting systems and other applications.



**SOLAR POWER PLANT  
INSTALLATION**





# JK POWER SOLAR SOLUTIONS



## Solar Street Light

JK Solar Power Solutions 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.

## SEMI Integrated Street Light

- Completely off-grid design with easy installation
- Lithium ion battery with BMS
- IP 65 Aluminum Housing
- Auto dusk to dawn operation
- Inbuilt Solar Charge Controller
- Protection against battery overcharge, deep discharge, reverse flow
- Low battery and charging indication

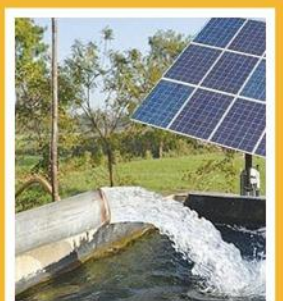
## All In One Street Light

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.)

- Microprocessor based driver enables intelligent and efficient working
- Easy to Installation
- Lithium ion battery with BMS
- Low battery and charging indication
- Inbuilt Solar Charge Controller
- Compact design with Inbuilt Li-ion battery & LiFePo4 Battery



## SOLAR STREET LIGHT & SOLAR WATER PUMP INSTALLATION





# JK POWER SOLAR SOLUTIONS



## Solar Home Light System

JK Power Solar Home Lighting System provides two stage charging process which recharges batteries faster compared to on-off relay type chargers. Faster recharging increases the performance of the system by storing more of the SPV array's limited output. The charge controller inside home Lighting system allow the maximum current generated in the SPV array to the battery bank till it is charged to its capacity.

- LED Bulbs / Batten Light 5W-12V DC 2 Nos.
- Solar PV Module 20W-12V
- Battery 18Ah-12V (SMF)
- Solar charge controller cum battery box.
- Electronic efficiency more than 85%
- Mobile charging option.

## Solar Lantern

Solar lantern is suitable for either indoor or outdoor lighting, covering a full range of 360 degrees. PV module converts sun light into electricity, charges the battery which powers the LEDs.

- Strong ABS body
- High quality SMD LEDs are used
- Battery Charging indicator provided
- Low battery indication
- Solar Panel charging & AC mains charging options.
- Mobile Charging Option



- Solar Garden Light
- High Mast Light
- Flood Light
- Street Light





# JK POWER SOLAR SOLUTIONS



## Solar Tubular Battery

- Low Maintenance & High Performance.
- High Purity Lead Oxide for Active Material
- New Long Life Separators.
- Cycle life as per (80% DCD) 1200-1300
- Ideal for frequent deep cycles - Excellent Cycle Life.
- High recharge efficiency.
- Low rate of self discharge.

## SOLAR LITHIUM BATTERY PACK

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.

## Hybrid Charge Controller

- Inbuilt PWM Technology Charge Controller.
- Automatic Voltage selection for 12V or 24V
- High speed and high performance micro Controller
- Compact Design with wall mounting
- Inbuilt protection to avoid battery undercharge and over charge

## Solar SMU

Solar Management Unit (SMU) can convert your simple Inverter into Solar Inverter. SMU ensures priority usage of Solar Power to reduce Grid consumption.

- High speed and high performance micro-controller
- Prioritize Solar Power over Grid Power
- Increase the battery lifetime



- Solar Hybrid Inverter
- Solar PCU
- Solar Fan
- Solar Cooler





# JK POWER SOLAR SOLUTIONS



## Solar DC to AC Converter

Introduces state of the art microprocessor based Solar DC to AC Converter that requires no battery and no mains power for functioning. It can be termed as breakthrough technological innovation in **Solar Company**. It converts direct solar panel energy to power for running electrical appliances such as- Fans, Tube lights, Air Conditioners, Irrigation Pumps and many more for the load available till 15KVA.

## Solar Water Heater

We are blessed with Solar Energy in abundance at no cost. The solar radiation, which is incident on the earth surface, can be utilized for the benefit of the society. One of the popular devices that utilizes the solar energy is Solar Water Heating System (SWHS)

### Working Principle of SWH:

The Sun rays fall on the Solar Collector. A black absorbing surface (absorber) inside the collector, which absorbs solar radiation and transfers the heat energy to water flowing through it. Heated water is collected in a tank which is insulated to prevent heat loss. Then Circulation of water from the tank through the collector and back to the tank continues automatically. A Solar Water Heater consists of a Collector panel to collect solar energy and an Insulated Storage Tank to store hot water.



- Solar Power Plant
- Solar Street Light
- Water Pump & Heater
- Installation



# OUR PRODUCT RANGE



**Solar All in One Street Light**



**Solar Water Pump**



**Solar Kit**



**Solar Semi Integrated Street Light**



**Solar DC to AC Converter**



**Hybrid Charge Controller & Solar SMU**



**Solar Street Light Driver**



**Solar Lantern**

**Solar Home Light System**



**Solar Panel & Garden Light**

**AC/DC Street Light & Flood Light**



**Tubular Battery & Lithium Ion Battery Pack**



**DC Fan & Cooler**



**JK POWER  
SOLAR SOLUTIONS**

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