



SHIVAANTA

ACTION DEFINES US

ESTABLISHED: 2017

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About Us

Shivaanta is established in the year **2017**. We are the leading **Manufacturer, Supplier, Distributor, Wholesaler of Solar Street Lights, Solar Power Systems, Solar Lighting System, Solar Water Pump, Solar Pump**. Our company endeavours to reach excellence by providing quality products to our customers. The accessible assortment is rigorously inspected against varied quality parameters and is commonly treasured for renewable energy. Our products provide an alternative solution to the energy that is safe as well as cost effective. Our objective is to delight the customer with heavy duty solar products especially designed to be eco - friendly in nature. When it comes to quality, performance, price, and timely delivery of the products, one can always bank on us.



Our Products

1. Solar Power Plant. (On Grid / Off Grid / Hybrid solar plant).

Solar power plants are the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV), indirectly using concentrated solar power, or a combination. Concentrated solar power systems use lenses or mirrors and tracking systems to focus a



large area of sunlight into a small beam. Photovoltaic cells convert light into an electric current using the photovoltaic effect.

Photovoltaics were initially solely used as a source of electricity for small and medium-sized applications, from the calculator powered by a single solar cell to remote homes powered by an off-grid rooftop PV system.

As the cost of solar electricity has fallen, the number of grid-connected solar PV systems has grown into the millions and utility-scale solar power stations with hundreds of megawatts are being built. Solar PV is rapidly becoming an inexpensive, low-carbon technology to harness renewable energy from the Sun.

The array of a photovoltaic power system, or PV system, produces direct current (DC) power which fluctuates with the sunlight's intensity. For practical use this usually requires conversion to certain desired voltages or alternating current (AC), using inverters. Multiple solar cells are connected inside modules. Modules are wired together to form arrays, then tied to an inverter, which produces power at the desired voltage, and for AC the desired frequency/phase.

2. Solar Street Light

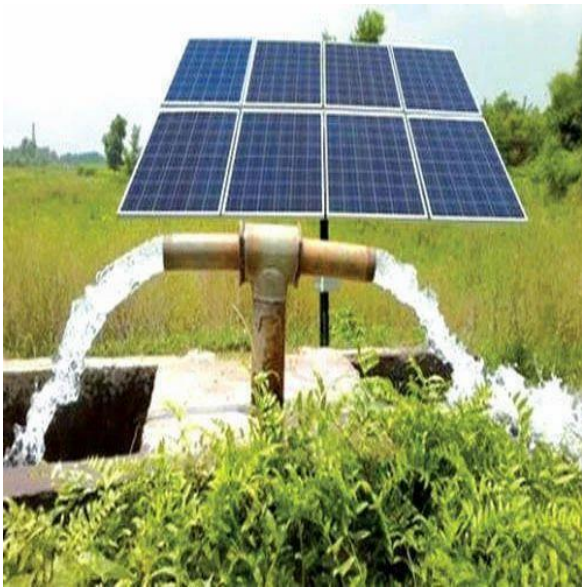
Solar street lights are raised light sources which are powered by photovoltaic panels generally mounted on the lighting structure or integrated in the pole itself. The photovoltaic panels charge a rechargeable battery, which powers a fluorescent or LED lamp during the night.

These lights provide a convenient and cost-effective way to light streets at night without the need of AC electrical grids for pedestrians and drivers. They may have individual panels for each lamp of a system, or may have a large central solar panel and battery bank to power multiple lamps.



Most solar panels turn on and turn off automatically by sensing outdoor light using a light source. Solar streetlights are designed to work throughout the night. Many can stay lit for more than one night if the sun is not available for a couple of days

3. Solar water pumps



A solar-powered water pump is a pump running on electricity generated by photovoltaic panels or the radiated thermal energy available from collected sunlight as opposed to grid electricity or diesel run water pumps.

Solar powered water pumps can deliver drinking water as well as water for livestock or irrigation purposes. Solar water pumps may be especially useful in small scale or community-based irrigation, as large scale irrigation requires large volumes of water that in turn require a large solar PV array.

As the water may only be required during some parts of the year, a large PV array would provide excess energy that is not necessarily required, thus making the system inefficient.

The purpose of the controller is twofold. Firstly, it matches the output power that the pump receives with the input power available from the solar panels. Secondly, a controller usually provides a low voltage protection, whereby the system is switched off, if the voltage is too low or too high for the operating voltage range of the pump. This increases the lifetime of the pump thus reducing the need for maintenance.

4. Solar Home lighting system.

We are thrilled to inform you about the benefits of our Solar Home Lighting System. Its compact size makes it incredibly portable, ideal for use in remote locations like hill stations and during trekking, where electricity may not be readily available. Moreover, it stands as a testament to our commitment to sustainability and energy independence.



5. Solar water heater



Indulge in the revitalizing warmth of a perfect hot water shower after a hectic working day with the series. Built to last a lifetime, this solar water heater dramatically reduces your electricity bills, help conserve energy and is environment friendly. Thoughtfully designed for your convenience, the series are available in 6 variant capacities: 100, 150, 200, 250, 300 and 500 LPD. The inner tank of the water heater made of premium grade stainless steel SS304 L, ensuring long-life of water tanks. Equipped with an evacuated glass tube triple-layered with borosilicate ensures optimum utilization of solar energy.

The circular-shaped vacuum tubes enable the water heater to track the Sun automatically and can withstand a pressure of up to 0.4 kg/cm². Its high-quality PUF insulation minimizes the heat loss of stored water, providing efficient performance even in winters or partially cloudy days. To combat corrosion of tube and stand, the water heater is fitted with sacrificial anode and mild steel with black powder coating. It is an advanced technology being offered to you at a competitive rate. Moreover, they are eco-friendly. So, reduce your carbon footprint and help save environment along with the promise of huge saving on electricity and fuel charges. Switch to series solar water heater and enjoy trouble-free performance along with the assurance of a great service backup from Shivaanta.

Industry Experience

- **Successful installation and commissioning of below Government projects are completed partner with Hindustan system.**
 1. 50kW, on grid roof top LIC Ajmer (Rajasthan).
 2. 40kW, on grid roof top Nabard Bank Bhopal (Madhya Pradesh).
 3. 160kW, on grid roof top Ordinance Factory (OFB) Itarsi (Madhya Pradesh).
 4. 100kW, on grid roof top Ordinance Factory (SAF) Kanpur (Uttar Pradesh).
 5. 80kW, on grid roof top BEL White Sq. Apartments Bangalore (Karnataka).
 6. 75kW, on grid ground mountain, IICA Manesar Gurugram (Haryana).
 7. 33, Street Light Pole CMPDIL Singrauli (Madhya Pradesh).
 8. 2 set of 1HP, Solar Pump Bandhavgarh reserve tiger Katni (Madhya Pradesh).
 9. 450kW, on grid sheet roof top cochin shipyard (Kerala).
 10. 45kW, on grid car parking shed Pune (Maharashtra)
- **Successful completed of below Govt. customer with Photonics Watertech Private Limited**
 1. 70kW HT Net metering on grid roof top IOCL depot Indore (Madhya Pradesh).
 2. 140kW HT Net metering on grid roof top IOCL depot Ratlam (Madhya Pradesh).
 3. 40 kW Supply, I&C Car parking on grid solar power plant in BEL NAMU (Maharashtra)
 4. 1 MW Grass /Plant cutting ground mounted on grid solar plant in AAI Hyderabad (Telangana)
 5. 170kW Supply, I&C of Surge Arrester and AC cable ground mounted solar plant in OEFH (Utter Pradesh)
- **On Going AMC(Annual Maintenance Contract) Projects**
 1. 870 kW AMC 5 years' date-01/04/2023 to 31/03/2028 on grid rooftop & ground mounted solar plant in OEFH (Utter Pradesh)
 2. 40 kW AMC 5 years' date-10/01/2024 to 09/01/2029 Car parking on grid solar power plant in BEL NAMU (Maharashtra)

Register vendor

We are registered vendors are -

- Hindustan System
- Photonics Watertech Private Limited
- IOCL Bhopal
- GeM

Services

List of services provided by us

- Installation & Commissioning of all type of solar power plants (OFF Grid, ON Grid, Hybrid system)
- After site survey providing latest designing and engineering and best support as per customer requirement.
- AMC of all type of solar power plants.
- Customer support through solar designing.

OPERATIONS & MAINTENANCE

To maintain and get the most from your existing solar rooftop or water heating system, get in touch with us best solar company in India. We offer round the year efficient and timely solar power service at your bequest. In light of the current situation our staff and installation teams are being regularly monitored for Covid19 symptoms and are using all precautionary and safety measures as stipulated during the installation and service calls.

Contact US

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