

Solar Water Pump

When nature have gifted you free sunlight why pay for water-get water also free

If you have AC pump & don't want to pay electricity bill for pumping water, then we present you Pump Controller System **All In One Solution**



With this existing AC pumps can be operated on solar

All types of pumps

• Bore well • Open Well • Submersible • Surface

Can be made Solar



The Solar panels convert the light reaching them into DC power. The amount of power they produce is roughly proportional to the intensity and the angle of the light reaching them.



Controller:

Controller with built in smart logic to control the motor to be operated from Solar Panels together with Auto Start. Auto Restart. ON-OFF programmable timer function as a single composite unit. Available from 0.75HP - 50HP.

Benefits

- No Conventional grid electricity required
- Long Operating Life
- Highly Reliable & Durable
- Easy to Operate & Maintain
- Eco-friendly can be used additionally with hand pump
- No fuel cost - uses freely available solar energy

Protections

- Dry run Protection
- Under voltage & over voltage protection
- Reverse polarity protection
- Protection from lightning

Applications

- Tribal Settlements & remote areas
- Resorts, hotels & farmhouse
- Livestock watering & cattle watering
- Easy to Operate & Maintain
- Micro - irrigation & farm house

Involute Engineering Services

No. 165, 3rd Floor, 9th Main, 14th Cross, 1st Block,
Rajajinagar, Bengaluru - 560010, Karnataka, INDIA
E-mail : info@iesmechsol.com | Mob: +91 98866 57164
URL - www.iesmechsol.com



Involute Engineering Services

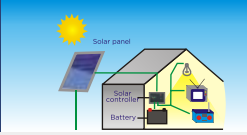


Plug into Solar Power



www.iesmechsol.com

Home Lightings system DC or AC Enjoy Lights Even During Long Power Cuts!!



- Incorporating the latest technology, our Solar Home Lighting System harnesses the power of the sun to provide Reliable & Cost effective electricity whenever required.
- It supplies electricity to homes for lighting & entertainment that are not connected to grids or where electrical supply is quite erratic.
- It is an excellent solution for household level electrification in rural areas. Also useful for Guesthouses, Hospitals, Canteens, Schools, Security Rooms, Check Posts, Restaurants, Warehouses, Hostels Banquet Halls, etc.



Features :

- Safe & easy to install.
- Available in CFL & LED lamps versions.
- Free from noise, Smoke & Pollution.
- Available in different configurations.
- Elegant & efficient luminaries.
- Adequate protections & indications.
- Low Maintenance.

Solar Streetlight

- The Energy saving solar street light system is a self-sufficient, independent. lighting system.
- It consists of solar photovoltaic modules, CFL/LED street lamp, light controller, lamp post & a weatherproof equipment cabinet.
- It is capable of providing 10 to 14 hours of illumination per night with White & Bright light output.
- These solar street lamps work well under temperatures ranging between 25 to 65 degree celsius.
- Simple instillation. No need to extra erect wire or excavate ground
- It avoids an accidents like electric shock or fire at all.

Features :

- It is an elegant & energy-efficient way to light your way.
- Automatic Dusk to Dawn Controller (DTDC) /Time Operation.
- Highly efficient charge controller & Inverter.
- Temperature compensated battery set points.
- Available in 10 to 60 Watts.
- 2-3 days Autonomy.



Battery Options • Li-ion, lead acid and SMF .

- IP-65, water proof battery enclosure.
- Modular Plug & Play Design.
- Theft proof.

Solar Water Pump

Features

- Fully Automatic • Round the Clock Operation • Automatic Water Level Controller
- Internal Bypass Feature for Pump Protection • Strong Construction • Long Life
- Models as per Capacity • Economic

Control Panel Features

- Digital Display • Automatic Level Controller
- Battery Status % Indication • Audio Buzzer • Charging Indication
- Battery Low • Pump on Indication • Auto / Manual Switch
- Start / Stop Button for Manual Operation



Application

Domestic Solar Pumps for Residence/Apartments.

- Drinking Water Supply • Water Supply for Remote Domestic Usage • Water Supply for Solar Thermal Installation • Water Supply for Animals • Game Parks & Game Farms • Pond Management • Solar Micro Irrigation (Small Family's Garden, Small Rural Areas or Green Roof System Irrigation of Fields & Greenhouse



Solar Rooftop Off-Grid and On Grid system.

Produce Electricity on your free roof top area, earn money And Get free electricity to your home.



	Net-Metering SOLAR PV roof top system									
Capacity in KW	1	2	3	4	5	6	7	8	9	10
Units generated per day	4	8	12	16	20	24	28	32	36	40
Units generated per month	120	240	360	480	600	720	840	960	1080	1200
Consumption**	80	80	80	80	80	80	80	80	80	80
Exported to Grid**	40	160	280	400	520	640	760	880	1000	1120
Price per unit from EB in ₹ ****	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
Payment from EB to customer per Month in ₹	382	1530	2667	3824	4971	6118	7266	8413	9560	10707
Payment from EB to customer per Year in ₹	4589	18355	32122	45888	59654	73421	87187	100954	114720	128486

Note:

- 1) 30% Subsidy Available in that case Unit price will be ₹ 7.20. (which we will not prefer from customer point of view)
- 2) Life of SOLAR PV System is 25 years, after return on investment years, rest of the years customer will get free electricity along with exported units payment from respected electricity board.
- 3) Required area on Building/Poultry farm/Diary farm/Pig Farm etc. 100 Sq. Feet. per KW. (Can be installed on any type of roof)
- 4) 25 Years of warranty with limited maintenance.

*** This price only apply until next revision from Government of Karnataka

**Taken approximate value and it may vary from customer to customer.