



Heliussolar International Solar Solutions

BROCHURE
2019



SAVE NATURE
SAVE FUTURE

I feel more confident than ever that the power to save the planet rests with the individual consumer.
- Denis Hayes

www.heliussolar.in
info@heliussolar.in
(+91) 9834989576



TANK STRUCTURE



MOVABLE STRUCTURE



OUR PRODUCTS

SOLAR WATER PUMP



Heliuss Solar Water pump is an independent stand-alone system, which works from dusk to dawn and are available in different types and capacity. It offers a clean, efficient and simple alternative to fuel burning engines and generators for domestic water, livestock watering drip irrigation, remote houses and where water is needed but no AC power is available. They are most effective during dry and sunny seasons. They require no fuel deliveries and very little maintenance.

- It is cheaper than windmills as an alternative source of energy.
- It is environment friendly.
- Saves conventional fuels.
- It provides consistent water sunny areas.
- Quite easy to operate and maintain.

Britto Solar water pumps are powered by solar photovoltaic panels and flow rate is determined by the intensity of the sunlight. The areas that typically need the most water- the hot, dry, sunny locations and rural un-electrified areas are the ones that can take best advantage of these pumps in such situations, solar power is the ideal solution.

SOLAR WATER HEATING SYSTEM (EVACUATED TUBE COLLECTOR TYPE -ETC)



System Features & Components:

- Highest efficiency - above 80%
- Greater absorber area, upto 94% auto sun tracking everyday
- Maximum heat transfer due to evacuated absorbing tubes
- better performance in winters and not so sunny days
- Handles hard water and less scale formation on EGT wells.
- Minimal heat loss- Thanks to EGT technology
- Elegant appearance, light weight and can be installed easily.
- Compact size, low height, easy to transport and install.
- Available in 100/200/50 LPD(lives per day) capacity and their multiples
- Polymer tanks available for extremely corrosive water
- Rest all features same as First Plate Collector (FPC) type

SOLAR STREET LIGHT



Heliuss Solar street lighting system is an ideal lighting system for the illumination of street, roads yards, hospitals, rural areas etc. The system is provided with battery storage back sufficient to operate the light for 12 hours daily. The system is controlled with automatic dusk to dawn operation.

- Stand alone system.
- Virtually maintenance free design.
- Microprocessor based inbuilt charge regulator
- Statistical Process control for better lamp start.
- Automatic Dusk to Dawn operation.
- 2-3 days autonomy.
- Solar panel: 45 Wp/ 74Wp/ 100Wp.
- Battery: 12V-40/75/100Ah
- Electronics Quasi Sine waveform.
- Indicators: Low battery & battery charging.
- Precautions: Low battery, over charging, Reverse/short/Open circuit & No load.
- Structure Pole: Panel stand, Liminary Bend, Battery box & stand, Cable and hardware set

OUR PRODUCTS

SOLAR POWER PACK



Helius Solar Power packs are custom designed for domestic and commercial applications. The solar photovoltaic module exposed to sunlight converts the light into electricity instantly. The electricity produced thus is being stored in tubular battery through charge controller. The battery through the controller and inverter can power the lights. The lights can be operated for 3-5 hrs per day on an average. The technical specification can be varied according to the customer requirement.

- Stand alone type.
- Trouble free, long lasting, cost effective.
- No recurring fuel cost.
- Highly efficient inverter and charge controller.
- Easy to Install on ground or roof.
- Available in 12V/ 24V/ 48V/ 110V system volts.
- Available range- 100W to 10KW.
- Negligible maintenance.
- Major constituents being SPV Modules, Array mounting structure, PWM charge regulator, Junction Boxes, TSW Inverters, DC load Controllers Battery bank

SOLAR HOME LIGHTING SYSTEM



Helius Solar Home lighting system aims at providing solar electricity for operating DC lights, Fans, TV, Tape recorder etc for specified hours of operations per day depending upon the model of solar home light. One or more wall mounting type luminaries/ fans are fixed indoors at desired location and provided ON/OFF switch.

- 3-5 hours of operations under STC depending upon model.
- Easy to install and operate
- Highly efficient electronics with PWM charge regulator.
- 9W/ 11W CFL lamp equivalent to 60W/75W bulb light.
- Adequate protections and indications provided.
- Provided the thermal compensations.

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Helius International Solar Solutions

Registered Office

Bagbazar, Opp Nrityagopar Smriti Madir
G T Road, Chandannagar
Hooghly - West Bengal
Pin-712136
Tel: (+91) 9892866074
E-mail: info@heliusolar.in

Branch Office

Koley Market, Opp Memari
Municipality Office
Memari Purba
Bardhaman - West Bengal
Pin-713146
Tel: (+91) 8250871405