



SOLAR WATER PUMPS

Changing lives of Farmers

About Us

QUALITY COMPLIANCE

- The company has ISO 9001:2008 certification for "Design, Manufacture and Supply of Self Priming, Centrifugal and Submersible Pumps". Bureau of Indian Standards Certification IS 9079 and IS 8034 Certification for centrifugal Monoblocks and Bore well Submersible Pumps.

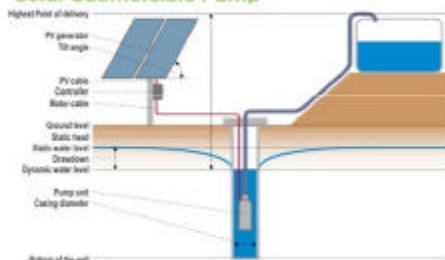
EXPERIENCE

- CONFAB PUMPS was started in 1984 till date, has supplied more than 20,000,000 pumps to happy customers all over India.

What is a Solar Pump?

- The sun is the natural source of energy and is perennially sustainable in the sense that they can never run out.
- If you need to supply water beyond the reach of power lines, then solar power can solve the problem
- Solar pumps operate anywhere that the sun shines, and the longer it shines, the more water they pump.

Schematic diagram of the Operation ALTUS Solar Submersible Pump



ALTUS Solar Pumping System – Boundless Benefits

- Accelerated depreciation of 80%.
- Easy installation, Virtually nil maintenance. Safe to handle. User friendly. Pollution free.
- Automatic Operation. The pumps works from dawn to dusk. Uninterrupted supply up to 8 hours.
- Dual mode operation Solar and Grid supply.
- The inbuilt MPPT (Maximum Power Point Tracking) offers continuously variable frequency to match the voltage from the solar panel. The soft start of the motor ensures longevity of the pump.
- The specially designed high efficiency motor maximises the output of the pump.
- The world class components in the system offers protection from dry running, high and low voltage, short circuit and over load protection.

APPLICATIONS - Unlimited....

The ALTUS Solar Pumping System works with available natural resources for water security

- Farms located in remote places, lack of access to electricity is a major hindrance to farming.
- Electricity when available on rotation, makes irrigation during night time a challenge. Solar Power is available through the day
- Clean drinking water can be provided to remote villages and tribal settlements that are out of reach for power lines
- Irrigation - In places where electricity supply is erratic or not available.
- Livestock farms such as Poultry, Cattle rearing and Pig breeding.
- Green houses in horticulture and floriculture.
- In Coffee, Tea and Rubber Estates for sprinkler systems.
- Drip irrigation systems in small scale farming.
- The system can be used to save much needed electricity in Aquaculture and Fish farming where uninterrupted supply of power is essential. It overcomes your dependence on costly alternatives when power is not available
- In farm houses, resorts and recreational parks where continuous water supply is required
- Apartments and Housing societies to pump water from the sump to overhead reservoirs.
- Fountains, theme parks and water features.
- Dewatering of sewage and drainage water.

PERFORMANCE OF ALTUS SOLAR PUMPS

SURFACE MOUNTED CENTRIFUGAL PUMP 1 Ph/3 Ph, AT 230 V, 50 Hz, 2880 rpm

HP	Panel Rating	Head	Max	Discharge m ³ /Day
1.0	1200 Wp	10m	12.5m	89.10
2.0	1800 Wp	10m	12.8m	170.20
3.0	2700 Wp	20m	25.5m	138.60

SUBMERSIBLE PUMP 1 Ph/3 Ph, AT 230 V, 50 Hz, 2880 rpm

HP	Panel Rating	Head	Max	Discharge m ³ /Day
2	3000 Wp	27m	45m	48.60

- Water output figures are on a clear sunny day, under the Average Daily Solar Radiation condition of 5.5 KWh/ sq.m on the surface of PV array (i.e. coplanar with the PV Modules). The water output will vary according to the site solar radiation.
- Water hammering can be avoided by installing a NRV (Non-Return Valve) just above the delivery outlet of the pump.
- The pipe size mentioned in mm are nearest conversion of inches. Actual pipe threads are as per BSP Standard
- In view of continuous developments, the information are subject to change without notice.

Manufacturer:

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