



JAIN SUNLIGHT PUMP

An innovative product from Jain Irrigation - Jain Sunlight Pump!

It operates everyday from dawn to dusk, to provide water for irrigation & daily needs. Popular with domestic as well as overseas farmers.

WHAT IS A JAIN SUNLIGHT PUMP?

It is a surface pump which can lift water from a maximum suction head of 7 meters and deliver it to a maximum of 20 meters for 2 HP pump & 40 meters for 0.5 HP pump. It operates from early morning till late evening. It can be powered by using solar panels. It requires a clear shadow free area for the solar modules during the day and works 365 days a year!

WHAT ARE THE MAIN COMPONENTS OF JAIN SUNLIGHT PUMP?

SOLAR PANELS: Converts the solar energy into electrical energy to run the solar pump

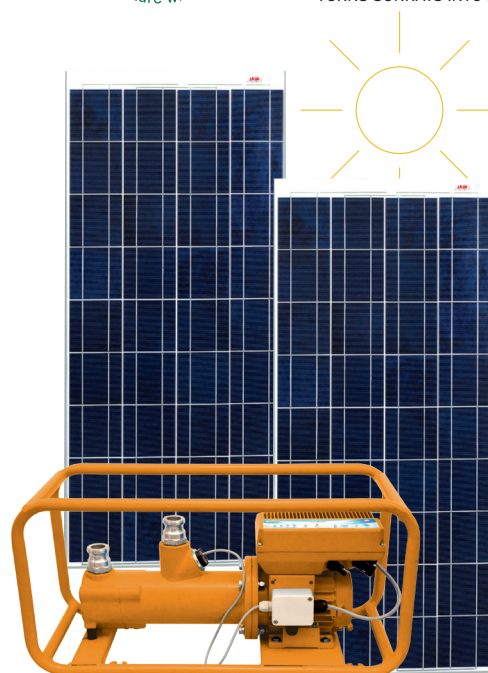
MOTOR: Highly efficient brushless DC motor with maintenance free operation

PUMP END : Stainless Steel centrifugal pump

PUMP CONTROLLER : Smart controller with integrated Maximum Power Point Tracking (MPPT) and variable speed Operation, LED Display etc

Bluetooth interface to connect the smartphone to the pump via android app. Easy way to control the pump and monitor the working status along with historical data

ACCESSORIES: Pump connectors, Cable, HDPE pipe etc



HOW DOES JAIN SUNLIGHT PUMP WORK?

The Sun's energy is converted by the solar PV panel into electricity during the day. This makes the pump to operate and deliver the water.

Though a strainer is provided at the inlet of the pump, yet it is advisable to use this pump for clear water without foreign contaminants like mud, sand, agricultural residues etc.

WHAT ARE THE ADVANTAGES OF THE JAIN SUNLIGHT PUMP?

- Portable smart design!
- Suitable especially for agricultural irrigation
- Works on solar energy so independent of Grid/diesel supply
- Combination of latest technology and manufactured by a leading organization- Jain Irrigation!
- High quality yet quite reasonably priced

HOW MUCH DISCHARGE DOES IT GIVE?

The water discharge per day is as under:

Head (meters)	Average Daily discharge, (LPD*)	
	2 HP	0.5 HP
10	2,00,000	22,000
20	76,000	15000
30		10000
40		5000

*At 7.15kWh/m²/day solar radiation. Above discharge values are indicative. Actual discharge depends on the location, specific conditions like weather, temperature, geographical conditions, solar radiation level, etc.

NEED OF JAIN SUNLIGHT PUMP FOR IRRIGATION

- There are many smallholder farmers who cultivate less than about three acres of land.
- Out of these, many still rely on traditional, low productive irrigation practices and largely depend on rainfall, thereby facing a large risk of crop failure.
- They need to have access to innovative technology which is the need of the hour.
- Solar pumps require relatively high investment but have negligible running and maintenance cost. In other words, the more the solar pump is used, the earlier the cost breakeven is achieved.
- The most efficient irrigation system is when the Jain Sunlight pump is coupled with a drip or sprinkler system thereby saving water and increasing the crop yield also.

APPLICATIONS OF JAIN SUNLIGHT PUMP

- Agricultural irrigation requirements
- Water supply for commercial, residential requirements.
- Water supply for Dairy, Poultry industries etc.

WARRANTY OF JAIN SUNLIGHT PUMP

The Jain Sunlight pump is supplied with a warranty of two years for material and manufacturing defects only from the date of invoice.



0.5 HP SUNLIGHT PUMP

SURFACE SOLAR PUMP WITH HIGH WATER OUTPUT

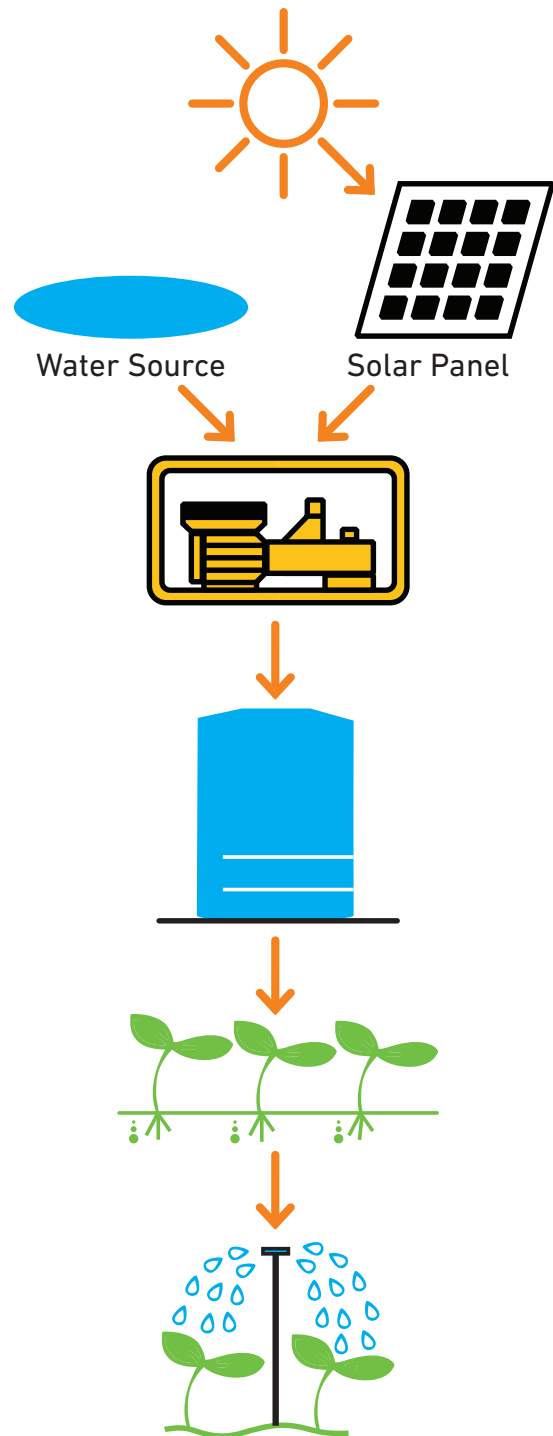
Key Features

- Solar powered portable water pumpset
- 150- 500 Watt Input Power
- Maximum flow rate 45 Lit/min
- Maximum daily discharge >22 m³/day
- Maximum Total Dynamic Head 40 meters
- High efficiency BLDC motor technology
- High efficiency progressive cavity pump
- Smartphone App available for monitoring the system operation and performance
- Battery mode also available if required
- Swiss Design- manufactured by Jain Irrigation Systems

Key Benefits

- Portable design: for easy transportation and convenient operation at remote / distant places
- Low running costs: No operational costs and almost maintenance free
- Long life: Lifespan of 10+ years
- Versatile: This pump set can be used with drip and sprinkler systems for marginal farms (<2 acres) / gardening, community drinking water supply etc.
- Efficient system allows to run the pump in cloudy weather also.
- Insured: Warranty of 2 years





2 HP SUNLIGHT PUMP

SURFACE SOLAR PUMP WITH HIGH WATER OUTPUT

Key Features

- Solar powered water pump set
- Maximum flow rate 520 lit/min
- Maximum daily discharge > 210 m³/day
- Maximum Total Dynamic Head 20 meters
- 1800 Watt Input Power
- Weight 33kg
- High efficiency
- Free ennos App available for monitoring the system
- Automated and running dry protection
- PAYG solution available
- Swiss Design- manufactured by Jain Irrigation Systems Ltd.

Key Benefits

- Low running costs: No operational costs and almost maintenance free
- Long life: Lifespan of 10+ years
- Automated: Starts by itself when Sunshine hits the solar panels
- Versatile: Can be used in combination with drip and sprinkler systems
- Efficient: Efficient enough to run during cloudy weather
- Insured: Warranty of 2 years



Remote area operation



Mounted on Trolley



Easy to Carry



ABOUT JAINS

Jain Irrigation Systems Limited, headquartered at Jalgaon, Maharashtra, India is a diversified agricultural conglomerate with a turnover in excess of US\$ 1.2 Billion. We have a global presence with 33 manufacturing bases spread over four continents. Our products are supplied to 126+ countries with able assistance from 11,000+ dealers and distributors worldwide. With over 5 decades of efforts and presence in the marketplace, we have reached to over 10 million farmers in making them prosperous.

JISL PIONEERED SOLAR WATER PUMPING SYSTEMS IN THE COUNTRY.

Jain Solar water pumping system is a standalone system operating on power generated by Solar Photovoltaic panels which are also manufactured in house state-of-the-art facilities. JISL has installed more than 30000 Solar Pumps till now. All these products are in harmony with the group's mission, "Leave This World Better Than You Found It".

Jain Green Energy division also offers Solar Water Heating Systems, Solar Photovoltaic systems, Bio-Gas and Bio-Energy alternate energy solutions.



For More Details Please Contact

Toll Free: 1800 599 5000; E-mail : jisl@jains.com; Website: www.jains.com

