

## 5000+ Live References of Solar Water Pump



**Auto Sun Tracking and Irrigation with pump floating arrangement in water filled ponds**



**Fixed Structure System with sprinklers for irrigation**

### Brief Introduction :

1. Topsun Energy Limited is one of the pioneering company in India for solar irrigation and drinking water system, With more than 10 years of experiences. As a company we are specialised in solar pump, system integrator and installer, manufacturer of solar photovoltaic module and one stop service provider for project development.
2. We are ISO 50001:2011 and ISO 9001:2015, ISO 14001:2015 and BS OHSAS 18001 : 2007 certified company have set up state-of-the- art, robotic, clean & dust free PV module. MNRE authorized channel partner for Solar pump, Off-Grid and On-Grid rooftop power plant.
3. We have installed more than 5000 solar Submersible and Surface pump for irrigation and drinking purpose in India and Abroad.
4. Products Certificates & Tested : MNRE , TUV , SGS , Certisolis , CE , PID, ISO, SALT MIST and Ammonia

### Standard PV Module Certifications :



## Technical Details & Performance Range

NABARD empanelled company meeting MNRE specifications.

## Topsun Pump Components

- Submersible/ Surface Pump
- Crystalline PV Modules
- Controller
- Mounting Structure & accessories

## Features

- Capacity : 1 HP – 50 HP
- Submersible Pump AC / DC
- Surface Pump AC/ DC
- Head : 5 Meters – 500 Meters
- Energy efficient solar PV modules, life span 25 years
- Automatic MPPT base pump controller
- Automatic protection against high voltage, low voltage and dry run
- Temperature: Ambient +50° C & Liquid 0° to 80° C



**No maintenance cost & Zero running cost**

## Applications

- Drinking Water • Irrigation • Swimming Pool
- School • Poultry Farm • Gardens • Health Centers • Hotels

**Cost recovered within 3-5 years**

## TOPSUN SOLAR SUBMERSIBLE PUMPING SYSTEM SELECTION TABLE

MOTOR HP	DRIVE TYPE	SPV ARRAY Wp	HEAD RENGE MTR.	DISCHARGE LTR/DAY UNDER STC	DISCHARGE UNDER STC
1	DC	1200	20-30	66000-42000	42000 Ltrs / Day @ 30 Mt TDH
2	DC	1800	20-50	99000-63000	63000 Ltrs / Day @ 50 Mt TDH
3	DC	3000	20-75	165000-39000	165000 Ltrs / Day @ 20 Mt TDH
5	DC	4800	20-75	264000-63000	264000 Ltrs / Day @ 20 Mt TDH
1	AC	1200	20-30	60000-38400	60000 Ltrs / Day @ 20 Mt TDH
2	AC	1800	20-50	90000-57600	57600 Ltrs / Day @ 50 Mt TDH
3	AC	3000	20-75	150000-36000	150000 Ltrs / Day @ 20 Mt TDH
5	AC	4800	20-75	240000-58000	240000 Ltrs / Day @ 20 Mt TDH
7.5	AC	7500	30-100	142500-60000	142500 Ltrs / Day @ 30 Mt TDH
10	AC	10000	50-150	190000-90000	90000 Ltrs / Day @ 150 Mt TDH
20	AC	20000	50-200	380000-180000	180000 Ltrs / Day @ 200 Mt TDH
30	AC	30000	50-300	570000-270000	270000 Ltrs / Day @ 300 Mt TDH
40	AC	40000	50-400	760000-360000	360000 Ltrs / Day @ 400 Mt TDH
50	AC	50000	50-500	950000-450000	450000 Ltrs / Day @ 500 Mt TDH

## TOPSUN SOLAR SURFACE PUMPING SYSTEM SELECTION TABLE

MOTOR HP	DRIVE TYPE	SPV ARRAY Wp	HEAD RENGE MTR.	WATER DISCHARGE LITERS / DAY UNDER STC	WATER DISCHARGE UNDER STC
1	DC	900	10	9000	90,000 Litrs / Day at 10 mtr TDH
2	DC	1800	10	180000	180,000 Litrs / Day at 10 mtr TDH
3	DC	2700	20	135000	135,000 Litrs / Day at 20 mtr TDH
1	AC	900	10	81000	81,000 Litrs / Day at 10 mtr TDH
2	AC	1800	10	162000	162,000 Litrs / Day at 10 mtr TDH
3	AC	2700	20	121000	150,000 Litrs / Day at 20 mtr TDH

### Topsun Energy Ltd.

B-101, GIDC, Electronics Zone, Sector-25, Gandhinagar- 382 028, Gujarat, India.

Phone/Fax: +91 79 23288804, 23288805.

Email: marketing@topsunenergy.com, Website: www.topsunenergy.com.

### Our Valued Partner:-