

# Best in Quality & High Durability

## Solar water pumping systems



Smart controller for longer dawn to dusk operation



Consistent water output year on year



Water ingress protection with IP65 rating for electronics



### FEATURES

- Galvanized iron mounting structure for long life (up to 120 micron)
- Optional auto or manual tracking for higher yield\*
- Advanced safety features including dry run, reverse polarity, low voltage and lightning.
- Wide operating temperature range of 0-50°C
- Wind sustaining capacity ≤ 180kmph

### BENEFITS

- No dependence on electric grid power or expensive diesel
- Wide range of solutions: surface, open well, drip, sprinkler & others
- Standard warranty of 2 year, extended warranty available

### COMPONENTS

- Wide range of pumps available from 0.5 to 10hp
- Available with AC/DC/Surface /Submersible options
- PV array ranging from 500 to 9000Wp
- Long life rugged pump controller
- Other pumping systems available on request

Let sun do the work!!!

Our products in this range	Solar Water Pump			
	Solasys-1	Solasys-2	Solasys-3	Solasys-4
<b>FEATURES</b>				
Pump type & application	Surface/Shallow water sources	Submersible/Borewell water sources	Submersible/Borewell, Tubewell, Diggi	Submersible/Borewell, Tubewell, Diggi
Total dynamic head (m)	45m for suction	75m for suction	100m	100m
PV array installation area without tracker (LxB) (m)	4x4	7x5	10x6	14x10
AC Change over option	N/A	N/A	N/A	Yes
<b>BENEFITS</b>				
Water flow rate @ maximum head (liters per day) at 7.15 kWh/m <sup>2</sup> insolation on PV array with tracking	40000/75000@ 30m head	100000 @ 50m head	120000 @ 70m head	190000@ 50m head
Payback period as compared to equivalent water from diesel pump (years)	2 to 2.5	2.5 to 3	2.5 to 3	2.5 to 3
<b>COMPONENTS</b>				
PV array wattage (Wp)	500/900	3000	4800	9000
Pump (hp)	0.5-1	3	5	10
Tracking option(s)	Manual	Manual	Manual	Auto/Manual
Pump controller	Suitable rating selected			
Pump accessories	On request			

Specifications are subject to change without notification

## Application

- Village water supply
- Irrigation systems for farmers
- Domestic/commercial/industrial usage
- Both surface and submersible pumps

SSampathi Power Solar is committed to enabling solar everywhere and bringing the power of the sun to people in the most efficient and cost-effective way possible.

More than 1300 units installed all around East India	Highly qualified & skilled Technical team
Modules that have passed four times repeated reliability test (four times than IEC standards)	For sales, service and other enquiries call 8338 098154 or 9776 834300 Email: <a href="mailto:sales@ssampathi.com">sales@ssampathi.com</a> / <a href="mailto:ssampathisolar@gmail.com">ssampathisolar@gmail.com</a>

## SSampathi Solar

Office: Plot no 396, Rudra Vihar, Bhubaneswar, Odisha, India 751006

Let sun do the work!!!