

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 (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 \leq 180kmph

BENEFITS

- No dependence on electric grid power or expensive diesel
- Wide range of solutions: surface, open well, drip, sprinkler & others
- Standard warranty of 1 year, extended warranty available

COMPONENTS

- Wide range of pumps available from 0.5 to 10 hp
- PV array ranging from 500 to 7800Wp
- 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
FEATURES				
Pump type & application	Surface/Shallow water sources	Borewell water sources	Submersible/Borewell, Tubewell, Diggi	Submersible/Borewell, Tubewell, Diggi
Total dynamic head (m)	7m & 10m for suction	20m & 50m for suction	50/70m	50/70/100m
PV array installation area without tracker (LxB) (m)	4x4	7x5	10x6	12x8
AC Change over option	N/A	N/A	N/A	Yes
BENEFITS				
Water flow rate @ maximum head (liters per day) at 7.15 kWh/m ² insolation on PV array with tracking	180000 @ 10m head	165000 @ 20m head	42000 @ 70m head	39000 @ 100m 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
COMPONENTS				
PV array wattage (Wp)	500/900	3000	4800	7800
Pump (hp)	0.5-1	3	5	10
Tracking option(s)	Manual	Manual	Auto/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 1000 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 8338098154 or 9619272672 Email: ssampathisolar@gmail.com

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