

AK SOLAR WATER PUMPING

Stand-alone solar water pumping systems

Original Adityakiran branded high-quality, long-lasting modules

Smart controller for longer dawn to dusk operation

Consistent water output year on year

Water ingress protection with Ip54 rating for electronics



FEATURES

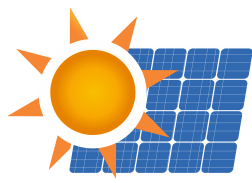
- Galvanized iron mounting structure for long life
- Optional auto or manual tracking for higher yield*
- Advanced safety features including dry run, reverse polarity, low voltage and lightning arrest
- Wide operating temperature range of 0-50 °C

BENEFITS

- No dependence on erratic 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 2 to 5 hp
- PV array ranging from 1800 to 3000Wp
- Long life rugged pump controller
- Other pumping systems available on request



Our products in this range

	1800RDC	3000RDC	3000BDC	3000BAC
FEATURES				
Pump type & application	Surface/Shallow water sources	Surface/Shallow water sources	Submersible/Borewell, Tubewell, Diggi	Submersible/Borewell, Tubewell, Diggi
Total dynamic head (m)	10m & 7m for suction	20m & 7m for suction	20/50/70m	20/50/70m
PV array installation area without tracker (LxB) (m)	4x4	7x4	7x4	7x4
AC Change over option	N/A	N/A	N/A	Yes
BENEFITS				
Water flow rate @ maximum head (litres per day) at 7.15 kWh/m ² insolation on PV array with tracking	180000 @ 10m head	165000 @ 20m head	42000 @ 70m head	39000 @ 70m 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)	1800	3000	3000	3000
Pump (hp)	2	4.6	4.6	3
Tracking option(s)	Auto	Auto	Auto/Manual	Auto/Manual
Pump controller	Suitable rating selected			
Pump accessories				

Specifications are subject to change without notification

ADITYAKIRAN

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