



Solastar

Solar Water Pump

The Solastar is the world's first application specific, high efficiency submersible solar water pump. It is extremely versatile and ideal for multi-purpose and economic water pumping applications, perfect for replacing most of the conventional windmill and petrol or diesel water pumping installations.



Applications for solar water pumps are diverse, ranging from stock and game watering from boreholes, rivers and dams to water supplies for farm houses, holiday homes, water supply for rural communities, clinics, schools, agricultural irrigation systems, and much more.

The Solastar works with nature's most reliable and freely available energy source – the sun. Specifically designed for harsh environments and extreme climatic conditions, the fully integrated pump forms part of a cost effective submersible solar powered water pumping system, which requires minimal skill to install, an important factor in inaccessible and remote areas.

Features and advantages of the Solastar over conventional solar water pumping systems:

- Tolerates extreme temperature variations
- Low capital costs
- Long working life
- Little performance drop in overcast weather
- Copes with deep and erratic water tables
- No complex and time consuming installation
- Capacities up to 1350 litres per hour
- Heads up to 200 meters
- Ambient temperature range –40C to +70C
- Capable of "running dry".



PERFORMANCE TABLE

Lift (m)	Litres/ Hour	No. of Panels	Litres/ Hour	No. of Panels	Litres/ Hour	No. of Panels	Litres/ Hour	No. of Panels	Watts/ Panel
10	570	2	804	3	1100	4	1350	5	60
20	570		800		1070		1330		
30	570		780		1040		1310		
40	560	2	780	3	1040	4	1250	5	80
50	520		760		1020		1230		
60	520		760		990		1180		
70	490	2	740	3	980	4	1140	5	100
80	480		740		950		1140		
90	470		710		950		1140		
100	470	2	680	3	930	4	1120	5	120
110	470		660		870		1090		
120	450		660		850		1070		
130	420	4	650	6	850	8	1060	10	80
140	420		640		830		1040		
150	400		610		830		1020		
160	400	4	600	6	800	8	1000	10	100
160	400		600		800		1000		

The manufacturer reserves the right to change specifications without prior notice.