

4HRSS-H Solar Pump



WATERBOY
SOLAR PUMPING SOLUTIONS



WATERBOY solar pump systems offer state of the art solar pump technology at a very competitive price. Highly reliable and durable, WATERBOY solar pumps and controllers are backed by a 2 year warranty, designed to withstand our harsh Australian water and incorporate the best features of all the solar pumps on the market and compress all this technology into a compact, robust & highly efficient pumping system.

The pump and motor assembly is 316 stainless steel. The 4HRSS-H submersible pump uses a helical rotor wet end coupled to a brushless DC motor. The motor is electronically communicated to by a fully adjustable MPPT pump controller housed in a weather proof enclosure on the surface for easy installation, access and operation.

The WATERBOY 4HRSS-H pump systems consist of a submersible pump and motor combination that is 4" (96mm) in diameter, the helical rotor (HR) pump provides superior lift and efficiency even at low speeds and flow rates.



Features

- Brushless DC motor
- Integrated Soft start & MPPT
- Adjustable Speed & Timer Control
- All Stainless Steel
- High Efficiency
- Remote switching

Benefits

- Lift up to 90m
- Flow rate up to 3.5m³/h
- Simple installation
- Maintenance-free
- High reliability & life expectancy

Applications

- Drinking water supply
- Livestock watering
- Irrigation

Sand & Silt Tolerance

The pump (Helical Rotor) has a higher resistance to wear from sand, clay etc. than any other pump type. Continual sand and silt pumping will damage the pump. Do not use this unit to clean out dirty bores.

Warranty

Two years manufacturer's warranty against defects in material and workmanship, from date of installation.

Pump End

Max flow rate	3.5m ³ /h
Max lift	90m
Operating temperature	-10°C – +35°C

Solar Pump Controller

Input voltage	Nominal 96V DC Max open circuit-200 Voc
Timer adjustment	0-30 minutes
Speed control	Approx 30% flow reduction

Motor

Power rating	1000w
Max submersion depth	40m
Lubrication	Oil filled

Total Lift	680w (4x170w)		880w (8x110w)		1000w (4x250w)	
	LPM	LPD	LPM	LPD	LPM	LPD
20	50	18000	55	19800	50	18000
30	45	16200	53	19080	48	17280
40	38	13680	45	16200	46	16560
50	30	10800	38	13680	44	15840
60	23	8280	33	11800	42	15120
70	18	6480	26	9360	40	14400
80	10	3600	21	7560	36	12960

LPM - Liters per minute, LPD - Liters per day. Daily flow based on 6 PSH