

3HRSS 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 3HRSS 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 3HRSS pump systems consist of a submersible pump and motor combination that is 3" (76mm) 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 40m
- Flow rate up to 2.1m³/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	2.1m ³ /h
Max lift	40m
Operating temperature	-10°C - +35°C

Solar Pump Controller

Input voltage	Nominal 24-48V DC Max open circuit-100 Voc
Timer adjustment	0-30 minutes
Speed control	Approx 30% flow reduction

Motor

Power rating	210w
Max submersion depth	40m
Lubrication	Oil filled

Total Lift	180w (2x90w)		250w (1x250w)		270w (3x90w)	
	LPM	LPD	LPM	LPD	LPM	LPD
5	20	7200	16	5760	30	10800
10	18.5	6660	16	5760	28	10080
15	16	5760	15	5400	26	9360
20	14	5040	15	5400	24	8640
25	11.5	4140	14	5040	20.5	7380
30	8	2880	13	4680	17	6120
35	4.5	1620	12	4320	15	5400
40			11	3960	11.5	4140

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