

FAIR DINKUM SOLAR PUMPS



FEATURES

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

BENEFITS

- Lift up to 140m
- Flow rate up to 3.6m³/h
- Simple installation
- Maintenance-free
- High reliability & life expectancy

4HRSS-H

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.

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.



SOLAR PUMP CONTROLLER

Input voltage Nominal 96V DC
Max open circuit-200 Voc
Timer adjustment 0-30 minutes
Speed control Approx 30% flow reduction
Max Amperage - 20A

PUMP END

Max flow rate 3.6m³/h
Max lift 140m
Operating temperature -10°C – +35°C

MOTOR

Power rating 2200w
Max submersion depth 40m below standing water level
Lubrication Oil filled

3 x 300w

TDH	L/Min	L/Day
10	38	13,680
20	37	13,320
30	36	12,960
40	34	12,240
50	33	11,880
60	30	10,800
70	28	10,080
80	26	9,360
90	15	5,400

4 x 300w

TDH	L/Min	L/Day
10	51	18,360
20	50	18,000
30	47	16,920
40	46	16,560
50	44	15,840
60	42	15,120
70	39	14,040
80	36	12,960
90	33	11,880
100	28	10,080
110	25	9,000
120	20	7,200

8 x 300w

TDH	L/Min	L/Day
40	60	21,600
50	55	19,800
60	50	18,000
70	45	16,200
80	40	14,400
90	38	13,680
100	34	12,240
110	30	10,800
120	27	9,720
130	23	8,280
140	19	6,840