

4CSS4 - 8 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 4CSS4-8 submersible pump uses a centrifugal 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 4CSS4-8 pump systems consist of a submersible pump and motor combination that is 4" (96mm) in diameter, the centrifugal (C) pump provides superior flow rates at lower heads.



Features

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

Benefits

- Lift up to 50m
- Flow rate up to 3.6m³/h
- Simple installation
- Maintenance-free
- High reliability & life expectancy

Applications

- Drinking water supply
- Livestock watering
- Irrigation

Sand & Silt Tolerance

Continual sand and silt pumping will damage the pump. Do not use this pump 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	3.6m ³ /h
Max lift	50m
Operating temperature	-10°C - +35°C

Solar Pump Controller

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

Motor

Power rating	500w
Max submersion depth	40m
Lubrication	Oil filled

Total Lift	340w (2x170w)		440w (4x110w)		680w (2x2 170w)	
	LPM	LPD	LPM	LPD	LPM	LPD
10	54	19440	56	20160	64	23040
20	38	13680	44	15840	54	19440
30	25	9000	31	11160	42	15120
40	17	6120	22	7920	31	11160
50	10	3600	15	5400	24	8640

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