

4CSS5-12 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 4CSS5-12 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 4CSS5-12 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 80m
- Flow rate up to 6.0m³/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	6.0m ³ /h
Max lift	80m
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)		1000w (4x250w)		1360w (2x4 170w)	
	LPM	LPD	LPM	LPD	LPM	LPD
10	69	24840	80	28800	98	35280
20	60	21600	74	26640	88	31680
30	50	18000	67	24120	78	28080
40	37	13320	58	20880	68	24480
50	30	10800	48	17280	60	21600
60	21	7560	37	13320	48	17280
70			29	10440	40	14400
80			22	7920	33	11880

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