

4CSS7-8 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 4CSS7-8 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 4CSS7-8 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 60m
- Flow rate up to 8.0m³/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	8.0m ³ /h
Max lift	60m
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

800w (4x200w)

1600w (8x200w)

	LPM	LPH	LPD	LPM	LPH	LPD
5	100	6000	36000	140	8400	50400
10	95	5700	34200	130	7800	46800
20	85	5100	30600	120	7200	43200
30	60	3600	21600	100	6000	36000
40				90	5400	32400
50				80	4800	28800
60				70	4200	25200

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