



Aqua Delta
Solar Pumps

Factsheet

Solar pump t250d

- Ideal for water level management (under sunny conditions, less suitable for winter circumstances).
- Fully driven by solar energy. Operates without battery packs.
- Maximum yield of 180 m³ per day @ 3,5m lift with a non-battery system Based on 7hrs of full sunshine, in Northern climates there could be 11 hrs of full sunshine per day giving a max yield of 275m³ per day
- Advised maximum head/lift of 3,5 meter. (could be increased with heavier motor resulting in higher costs)
- Current model only for lifting water, pumps are placed with the downpart in the water.
- Can be adapted to customer needs.
- Designed and made in-house.



Pro's

- Environmental friendly and durable
- No electricity or fuel needed
- Low to zero maintenance costs
- No emissions and noise
- Good service life expectancy
- Capable of a 3,5 meter lift/head
- Yield of 30m³ per hour at top efficiency.

Other options and possibilities

- Extra solarpanels
- Smart Tech System, Mobile remote control

Solar pump t250d

The solar pump T250d is an in-house designed and build piston pump. The pump has a durable design and is made out of heavy duty PE plastic.

The pump can be used for several purposes including irrigation, drainage en wetland creation.

The pump is ideal for creating wetlands to improve the habitat for meadow birds. It has very low noise levels and doesn't provide a vantage point for predator birds due to low to field level parts. It will be able in an average situation to keep 3-5 hect wetland inundated at 50% water coverage.

No batteries

The pump is directly driven by sunlight so no battery involved. Our pumps are the only in their kind to do so. The great advantage of this is a higher reliability, no replacement of batteries every 3 – 4 years. Keeping maintenance costs low. If batteries are needed for instance for whole year round pumping needs we will use only use high grade batteries and electronics.

Besides this we provide

- Site assessment and water need calculations
- Installation made to situation
- 1 year warranty
- Cheap compared to comparable options (mains power, wind)
- Purpose designed



Product specifications	
Usage	Inundation for meadow bird management Compensation for fish passes Irrigation Water level management Water for livestock Drainage systems Disease /pest control by inundation
Maximum yield	320m ³ water @ 11 hrs sunshine.
Lift/head	Maximum of 3,5 meter
Pump type	Piston
Motor/reducer	Up to 1,25m @29m ³ /hr 300w, 24 volt, 1500rpm, Coaxial reducer 1:30 1,25m and above 500w, 24 volt, 1500rpm, Coaxial reducer 1:30 (heavy duty)
Solar panels	2 pcs @ 0,75m lift @ 25m ³ /hr 3 pcs @ 1,25m lift @25m ³ /hr 4 pcs @ 2 m lift @ 25m ³ /hr 6 pcs @ 3,5 m lift@ 25m ³ /hr 380 Watt panels Efficiency loss after 5 years 5%, after 12 yrs 10%, after 18 yrs 15%, after 25 yrs 20 %.
Frame	Panels are individually mounted in a galvanised frame. Those frames are easy movable. They also can be fixed with anchors to the ground.
Outlet pipe	Standard included 10 Meter 125mm PE.
Weight	Pump unit T250d: 70 kilo. Panel in frame: 65 kilo. Total installation with 3 panels +/- 325 kilo
Dimensions	Pump unit: 110 x 80 x 80 cm. (h x l x b) Panel in frame: 200 x 110 x 100 cm.
Warranty	One year full in the Netherlands, Western Europe parts warranty and telephone service, service based on mailing parts to be serviced (training of technical personnel with installation), Outside Europe to be negotiated

