

Electromote

Solar Pool Pump

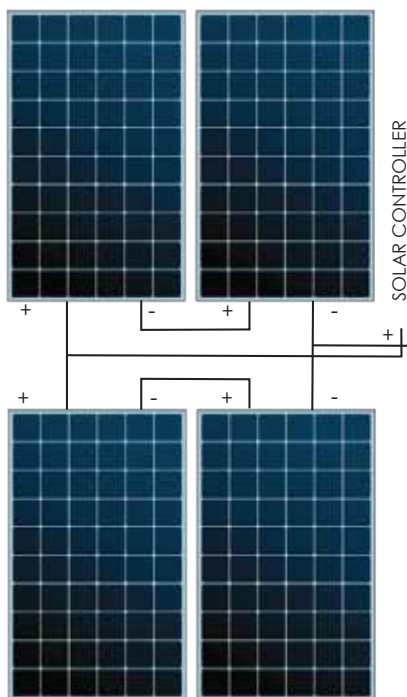
Features

- Built-in Variable Speed Drive
- Permanent Magnet Brushless DC Motor
- Direct Photovoltaic (PV) power source
- Built-in protection
- User-friendly control panel

Specifications

- Axial flux PM BLDC Motor
- Output power 1.0 HP (750W)
- Integrated Control
- Speed range 500 to 2850 rpm
- TEFC construction
- Insulation class F
- IP55
- Maximum operating temperature 55°C

4 Panel Series Parallel connection



Solar Panel Recommendation 380W

Standard Test Conditions (STC)

irradiance 1,000 w/m², AM 1.5;
module temperature 25°C

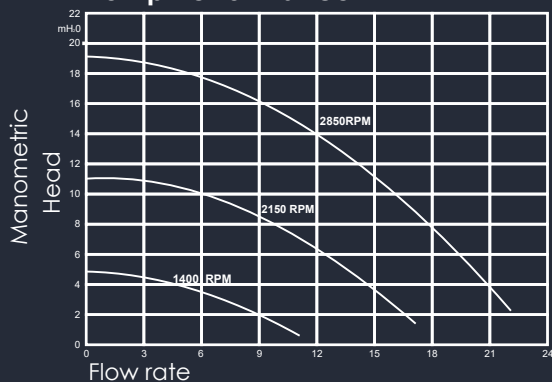
Total Max. Power (W):	1520
Total Max. Open Circuit Voltage - Voc (V):	97
Total Max. Power Voltage - Vmpp (V):	80
Total Max. Power Current - Impp (A):	19.02
Short Circuit Current - Isc (A):	11.6

Normal Operating Cell Temperature (NOCT):

irradiance 800 w/m²; wind speed 1 m/s;
ambient temperature 20°C

Total Max. Power (W):	1124
Total Max. Open Circuit Voltage - Voc (V):	89.6
Total Max. Power Voltage - Vmpp (V):	73.8
Total Max. Power Current - Impp (A):	15.22
Short Circuit Current - Isc (A):	9.37

Pump Performance



Maximum pump flow : 22.4 m³/h

Pump flow rate at 10 meters of head:
16.3 m³ /h (at 2850 RPM)

Maximum pump pressure : 19.1 mH₂O (1.9 bar)

Motor Output power : 750W

Nominal Voltage : 72Vdc

Panel

- LED indicator light
- Voltage (V) indicator lights
- Speed (RPM): indicator light
- Current (A): indicator light
- Power (W): indicator light

