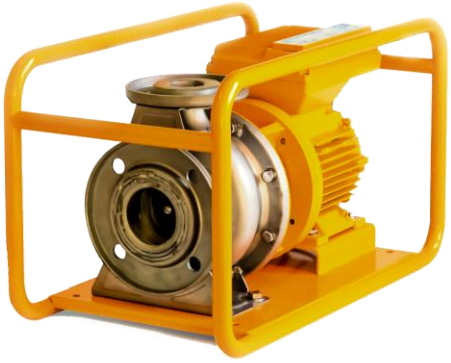
ennos sunlight pump datasheet

General Information of the 2HP sunlight pump

- ✓ Solar water pump with integrated controller – for **easy plug** and pumping **up to 210 m3** of water per day
- ✓ Maximum Power Point Tracking and **variable speed operation** – for maximum water output at any time of the day
- ✓ 2HP (2000W PV Modules) Brushless DC Motor - for **maintenance free operation** and **high efficiency** over wide flow and pressure range
- ✓ Centrifugal Pump – for **high water flow**
- ✓ LED Display – for fast information about operation, **trouble shooting** and actual flow rate



- ✓ Bluetooth Interface – for **timer** and detailed actual & **statistical data** through android phone using the ennos sunlight pump app
- ✓ Running **dry protection** and tank overflow sensor for an **automated** and simple operation of the pump system

Technical specifications Model: JSPBL1.5/CF25-1

Total Dynamic Head (TDH)[1]	28	m
Suction capacity at sea level (vertical meters)[2]	6	m
Maximum water flow rate	520	l/min
Range of maximum power point voltage (V_{MPP}) [3,4]	85-128	V
Range of open circuit voltage (V_{OC})[5]	105-160	V
Maximum Input current @ 25°C	19	A
Maximum Input power	2000	W
Temperature operation of pump	0 - +40	°C
Temperature storage[6]	-30 - +55	°C
Pump dimensions	L 570 x H 300 x W 340	mm
Pump weight	33	kg
Inlet	Foot valve with strainer	
Type of enclosure	IP65	

1 2-year warranty up to 20m Total Dynamic Head

2 Suction capacity at sea level. Subtract 1m for every 1000m altitude

3 PV modules at standard test condition: AM = 1.5, E = 1,000 W/m2, cell temperature: 25°C

4 CAUTION: If the connected solar module supplies an open circuit voltage of more than 160V, the controller will be damaged. While selecting the solar PV module, it is important to keep in mind that the open circuit voltage should never exceed 160V over the entire working temperature range.

5 PV modules at standard test condition: AM = 1.5, E = 1,000 W/m2, cell temperature: 0 °C

6 Pump must be empty if stored at temperatures below 0°C