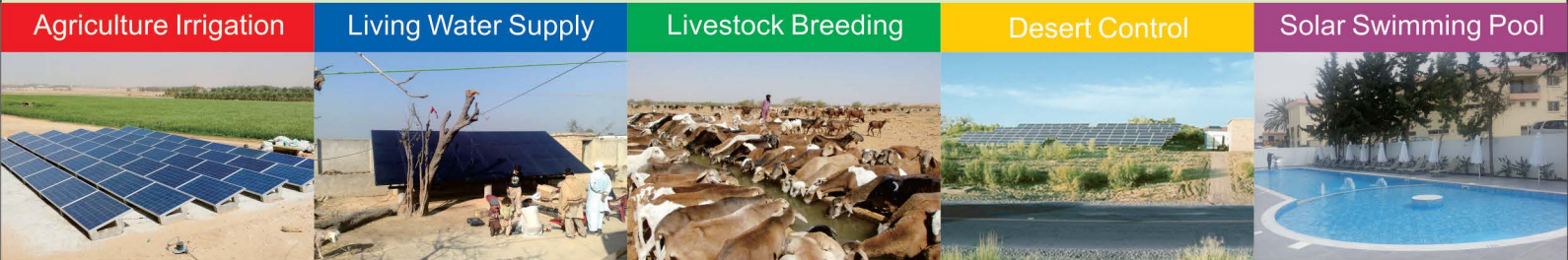


# Solartech PSD600 DC Solar Pump

Max. Flow: 20m<sup>3</sup>/day, Max. lift: 100m



## Features

- ◆ High efficient DC brushless motor requires less solar array. Rich social benefits.
- ◆ Optional centrifugal pump for big flow and helical rotor pump for high lift.
- ◆ High efficient semiconductor device used in main circuit. High reliability. Up to 98% conversion efficiency of controller.
- ◆ Independent intellectual property of dynamic VI maximum power point tracking (MPPT) algorithm. Fast response and good stability. 99% MPPT efficiency.
- ◆ Full automatic operation. Complete protection functions. Integrated with water level monitor to prevent overflow and dry running.
- ◆ Full aluminum alloy case. IP52 protection grade. Ambient temperature: -20 ~ +60°C.

## Specifications

Model	Rated Power	Max. Flow	Max. Lift	Daily Water Supply	Outlet Dia.	Pump Dia.
PSD600C	600W	4.5 m <sup>3</sup> /h	30 m	10 - 20 m <sup>3</sup>	1"1/4	4"
PSD600H	600W	2 m <sup>3</sup> /h	100 m	5 - 10 m <sup>3</sup>	1"1/4	4"



## Solar Array Configuration

Max. Input Power	Max. Input Current	Max. Open Circuit Voltage	Recommended MPP Voltage
1000W	15A	150VDC	60 - 120VDC
Recommended Design	Solar Panel	Connection	Total Power
Configuration 1	190W / 35Vmp	2 pcs x 2 strings	760W
Configuration 2	250W / 30Vmp	3 pcs x 1 string	750W

## Performance Curve

