

PS2 Centrifugal Solar Pump Systems

Submersible Pump Systems for 4" and 6" Wells



LORENTZ PS2 centrifugal pumps are high quality products designed for higher flow drinking water supply, livestock watering, pond management and irrigation applications. PS2 centrifugal pumps provide large volumes of water economically, without pollution, anywhere.

The LORENTZ PS2 range of DC powered centrifugal pumps have been designed specifically to pump larger volumes of water efficiently using solar power. These highly efficient pumps can achieve flow rates of 79 m³/hour.

Each system consists of a pump, pump motor and a controller. This modular concept keeps all electronics above ground providing simple servicing, ease of access and a low cost of ownership. PS2 has extensive connectivity options for sensors and switches, in built software applications and data logging to meet all of your pumping needs.

Benefits

- Long life expectancy and proven in service record
- Designed for use in remote and harsh conditions
- Smart modular design for simple and cost effective servicing and repair
- Highest efficiency, pumps more water than the competition, starts earlier in the day and finishes later
- Fast and simple installation
- Cost effective spare parts philosophy
- Large range of pumps to closely match each application and optimise efficiency
- Simple configuration, diagnostics and performance data via free LORENTZ PumpScanner Android™ App

Features

- Engineered in Germany
- High quality non corrodible materials used throughout
- Solar direct connect with AC connection options
- MPPT technology to maximise power use from PV modules
- ECDRIVE DC brushless motors, designed for solar, with over 90% efficiency
- Inbuilt data logger with wireless access
- Multi LED display for simple operation
- Multiple analog and digital inputs and outputs for ultimate connectivity

pump system		PS2-150 C	PS2-600 C	PS2-1800 C	PS2-4000 C
max. total dynamic head (TDH) [m]		20	30	100	160
max. flow rate [m ³ /h]		4.0	12	53	79
solar operation:					
max. power voltage (Vmp)* [VDC]		> 17	> 68	> 102	> 238
open circuit voltage (Voc) [VDC]		max. 50	max. 150	max. 200	max. 375
nominal voltage [VDC]		12–24	48–72	72–96	168–192
battery operation:					
nominal voltage [VDC]		12 & 24	48	96	n.a.

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

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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations. A pump system consists of a controller, motor and pump end. Multiple pumps/ pump ends are shown to represent the wide range of pumps (over 70) that LORENTZ has.



Sun. Water. Life.