

PSk Centrifugal Solar Pump Systems Submersible Pump Systems for 4", 6" and 8" Wells



LORENTZ PSk pumps are high quality products designed to deliver the highest volumes of water across a wide range of lifts. PSk pumps are typically used in irrigation projects and for wide area drinking water applications where they reliably meet the most demanding requirements, economically and without the use of fossil fuels or a grid connection.

These highly efficient pumps can achieve flow rates of up to 136 m³/hour and pump from depths of 180 m. Each system consists of a pump, pump motor and a controller, this modular concept keeps all electronics above ground, simplifying servicing and lowering cost of ownership.

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
- Water filled motors for reliability and to avoid oil contamination
- Fast and simple installation
- Cost effective spare parts philosophy
- Very strong ROI against diesel powered pumping, reducing water production costs and reducing carbon footprint
- Large range of pumps to closely match each application and optimise efficiency

Features

- Engineered in Germany
- High quality non corrosible materials used throughout
- Range of pump ends to closely match any application
- Corrosion-resistant construction
- Solar direct connect with AC connection options
- MPPT technology to maximise power use from PV modules
- 3-phase water lubricated AC motor
- Data logger integrated into the controller with a display of key running data

pump system		PS 9k	PS 15k	PS 21k
max. total dynamic head (TDH)	[m]	180	140	120
max. flow rate	[m ³ /h]	136	135	118
solar operation:				
max. power voltage (Vmp)*	[VDC]	> 500	> 500	> 500
open circuit voltage (Voc)	[VDC]	max. 750	max. 750	max. 750

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



To find out more visit www.lorentz.de

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Errors excepted and possible alterations without prior 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.