

## 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 36,000 USG/hour and pump from depths of 590 ft. 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 corrodible 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)	[ft]	590	460	395
max. flow rate	[USG/h]	36,000	35,700	31,200
solar operation:				
max. power voltage (Vmp)*	[VDC]	> 500	> 500	> 500
open circuit voltage (Voc)	[VDC]	max. 800	max. 800	max. 800

\* ) PV modules at standard test condition: AM = 1.5, E = 1,000W/m<sup>2</sup>, cell temperature: 25 °C



To find out more visit [www.lorentz.de](http://www.lorentz.de)

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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.**