

LORENTZ

The Solar Water Pumping Company

 **UFLEX**

Pool filtration
without fossil fuels



Sun. Water. Life.
www.lorentz.de

PS2 Solar Pump Systems for Pools



LORENTZ PS2 Swimming Pool Pumps are high quality products designed for use in residential and commercial swimming pools and spas. In most pool applications all of the filtration needs can be met directly from solar panels meaning no electricity costs and significant benefits to the environment. The LORENTZ pump uses a DC brushless motor for high efficiency and reliability, it is connected to a solar generator via a controller. The controller monitors the system, controls the pump speed and optimizes the amount of water pumped based on the power available. The PS2 controller has extensive connectivity options for sensors and switches, in built software applications and data logging to meet all of your pumping needs.

Benefits

- Zero energy costs provide a very fast return on investment
- Longer life expectancy than standard AC motors
- Quiet and efficient
- Proven in service record
- Speed controllable to match the pool size exactly
- Smart modular design for simple and cost effective servicing and repair
- Fast and simple installation, direct replacement for an existing pool pump
- Simple configuration, diagnostics and performance data via free LORENTZ PumpScanner Android™ App

Features

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



pump system	PS2-600 CS-17-1	PS2-1800 CS-37-1
max. total dynamic head (TDH) [m]	12	14
max. flow rate [m³/h]	19	36
solar operation:		
max. power voltage (Vmp)* [VDC]	> 68	> 102
open circuit voltage (Voc) [VDC]	max. 150	max. 200
nominal voltage [VDC]	48–72	84–96
battery operation:		
nominal voltage [VDC]	48	96
pump type	centrifugal pump	centrifugal pump
integrated strainer	■	■
suitable for sea water	on request	on request

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



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