

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

To find out more visit www.lorentz.de

BERNT LORENTZ GmbH & Co. KG

Siebenstuecken 24, 24558 Henstedt-Ulzburg, Germany, Tel. +49 (0) 4193 8806 – 700

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.