

PS2 Surface Solar Pump Systems



Benefits

LORENTZ PS2 Surface Pumps are high quality products designed for water transfer, pond management and irrigation applications where a surface pump is required.

The LORENTZ PS2 range of DC powered surface pumps are connected to a solar generator via a controller. 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.

- 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
- Fast and simple installation
- Cost effective spare parts philosophy
- Very strong ROI against diesel powered pumping reducing production costs and reducing carbon footprint
- 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 Boost	PS2-600 CS-F	PS2-1800 CS-F	PS2-4000 CS-F
max. total dynamic head (TDH)	[m]	150	40	50	70
max. flow rate	[m³/h]	1.3	8.3	8.5	59
solar operation:					
max. power voltage (Vmp)*	[V DC]	> 17	> 68	> 102	> 238
open circuit voltage (Voc)	[V DC]	max. 50	max. 150	max. 200	max. 375
nominal voltage	[V DC]	12–24	24–48	72–96	168–192
battery operation:					
nominal voltage	[V DC]	12 and 24	48	96	n.a.
pump type		positive displacement	centrifugal pump	centrifugal pump	centrifugal pump

*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.