PS Surface Solar Pump Systems

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
- Fast and simple installation
- Cost effective spare parts philosophy
- Very strong ROI against diesel powered pumping reducing production costs and reducing carbon footprint

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
- Optional data logger

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

The LORENTZ PS range of DC powered surface pumps are connected to a solar generator via a controller. The controller provides inputs for monitoring storage tank levels, controlling the pump speed and uses maximum power point tracking technology to optimize the water volume that is pumped.

pump system		PS150 Boost	PS600 CS-F	PS1800 CS-F	PS4000 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*

Sun. Water. Life.

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