

PS1800 HR-23

Solar submersible pump system for 4" wells

Applications

- Drinking water supply
- Pond management
- Irrigation
- Livestock watering
- Pressurizing systems

Characteristics

- Fast, failure-free installation
- Excellent serviceability
- High reliability and life expectancy
- Short Return of Investment (ROI) cycle
- Lower Total Cost of Ownership (TCO)

Technical data

Total dynamic head	max. 250 ft
Flow rate	max. 17 USG/min
Vmp*	> 102 V
Voc	max. 200 V

Standards

CE 2006/42/EC, 2004/108/EC, 2006/95/EC

MET UL 508, 778, 1004
CSA C22.2 No. 14, 100, 108

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.



Components

Controller: PS1800

- Controlling and monitoring
- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracker)
- Low voltage disconnect for battery operation

Motor: ECDRIVE 1200-HR

- Maintenance-free brushless DC motor
- Water filled
- No electronics in the motor
- Submersion max. 820 ft, IP68

Pump end: PE HR-23**

- High reliability and life expectancy
- Non-return valve
- Premium materials
- Optional: dry running protection

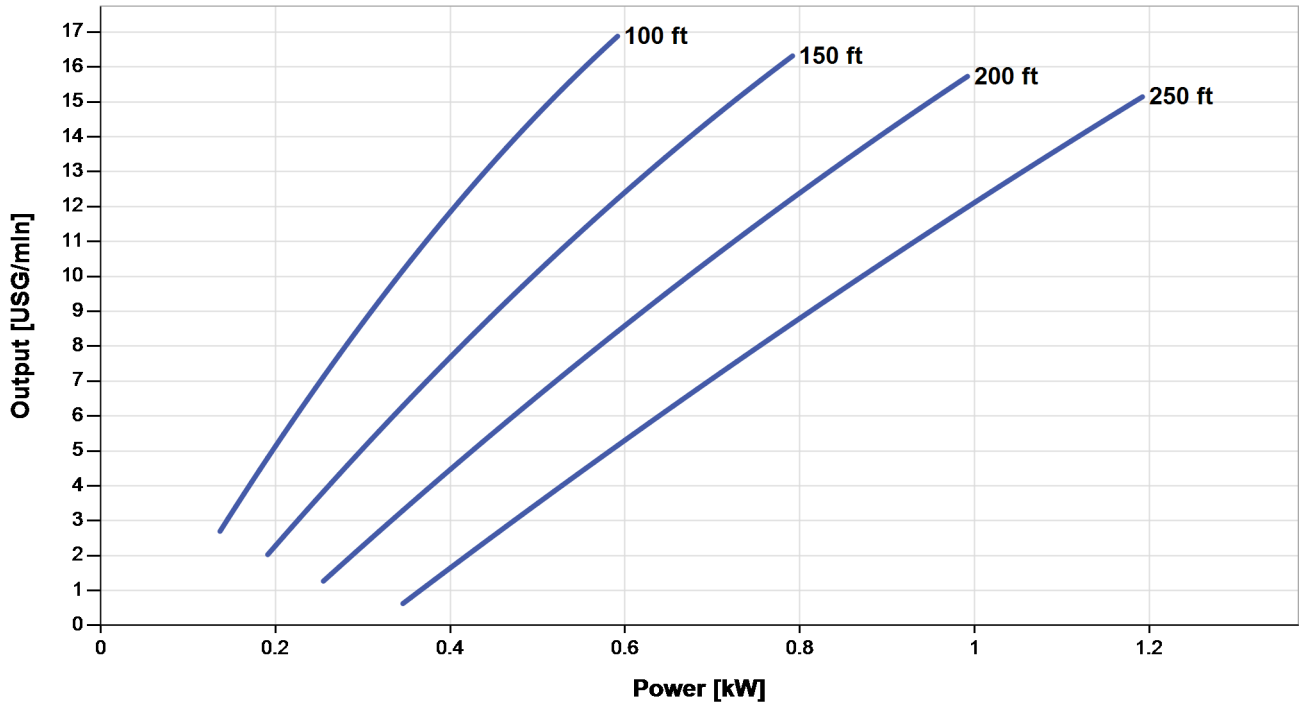


PS1800 HR-23

Solar submersible pump system for 4" wells

Pump chart

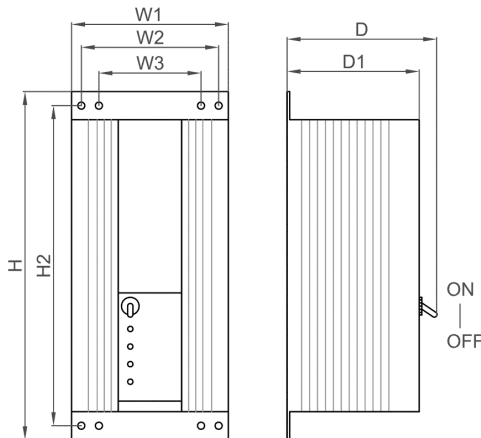
Vmp* > 102 V



Dimensions and weights

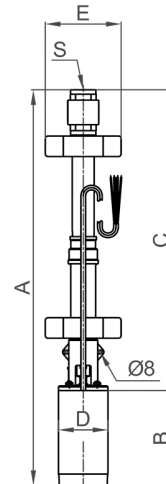
Controller

H = 16 in
 H2 = 14 in
 W1 = 7.0 in
 W2 = 6.1 in
 W3 = 4.6 in
 D = 6.5 in
 D1 = 5.9 in



Pump unit***

A = 30 in
 B = 7.3 in
 C = 23 in
 D = 3.8 in
 E = 5.8 in
 S = 1.25 in



	Net weight
Controller	9.9 lbs
Pump unit	25 lbs
Motor	15 lbs
Pump end	9.9 lbs

*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

**Specify temperature range on order

***By cutting the rubber spacers the diameter can be adjusted between 6" and 4" wells.

BERNT LORENTZ GmbH & Co. KG

Kroegerskoppel 7, 24558 Henstedt-Ulzburg, Germany,
 Tel +49 (0)4193 7548-0, Fax -29, www.lorentz.de



Created by LORENTZ COMPASS 3.0 beta

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.