

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. 80 m
Flow rate	max. 3,9 m³/h
Vmp*	> 102 V
Voc	max. 200 V

Standards

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

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. 250 m, IP68

Pump end: PE HR-23**

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

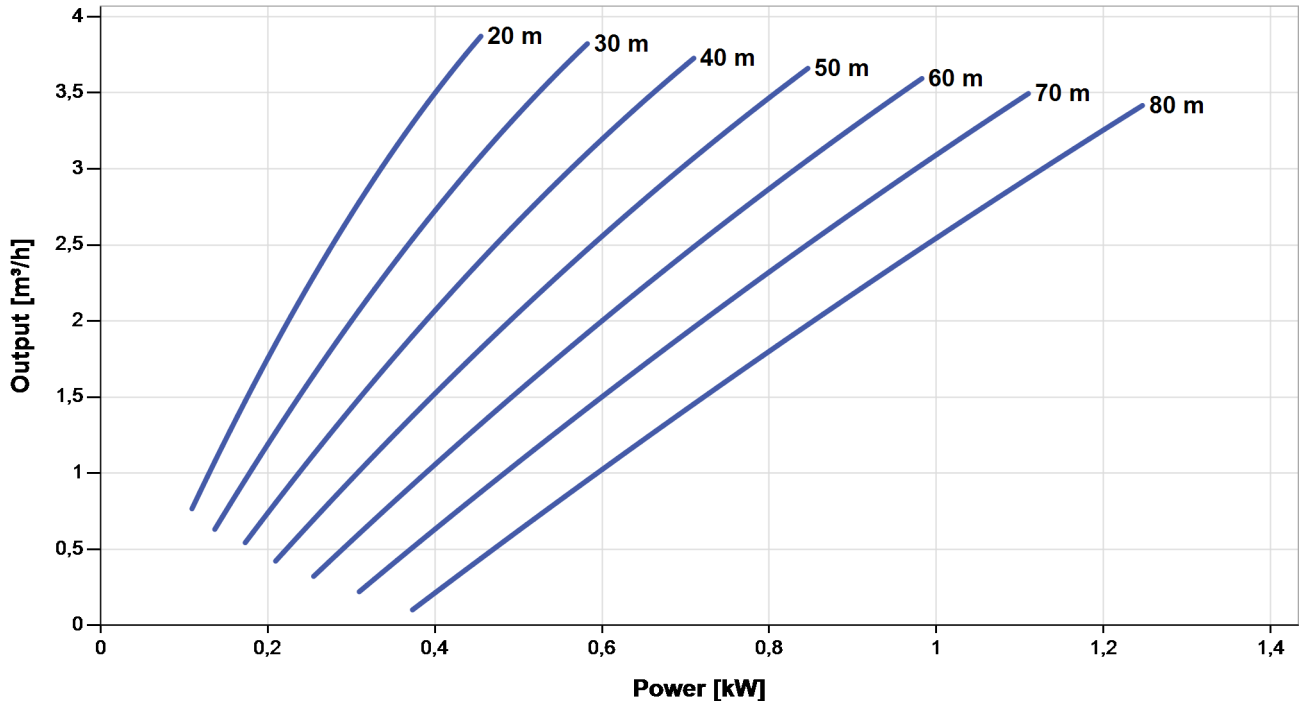


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Pump chart

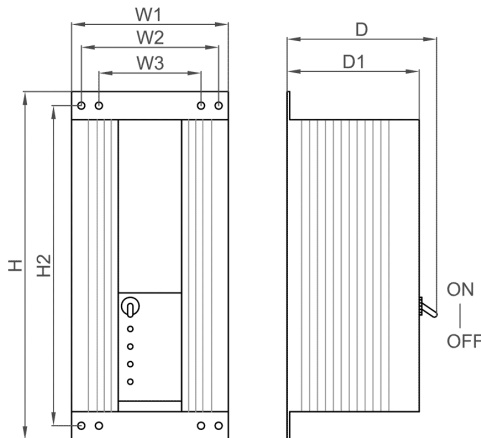
Vmp* > 102 V



Dimensions and weights

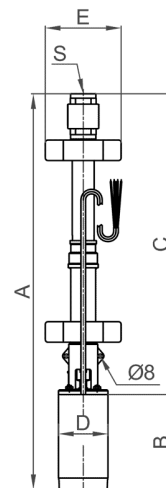
Controller

H = 396 mm
 H2 = 364 mm
 W1 = 178 mm
 W2 = 156 mm
 W3 = 116 mm
 D = 165 mm
 D1 = 150 mm



Pump unit***

A = 871 mm
 B = 185 mm
 C = 686 mm
 D = 96 mm
 E = 147 mm
 S = 1,25 in



	Net weight
Controller	4,5 kg
Pump unit	12 kg
Motor	7,0 kg
Pump end	4,5 kg

*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.

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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.