

# PS1800 HR-07H

## 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. 160 m
Flow rate	max. 1,4 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-07H\*\*

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

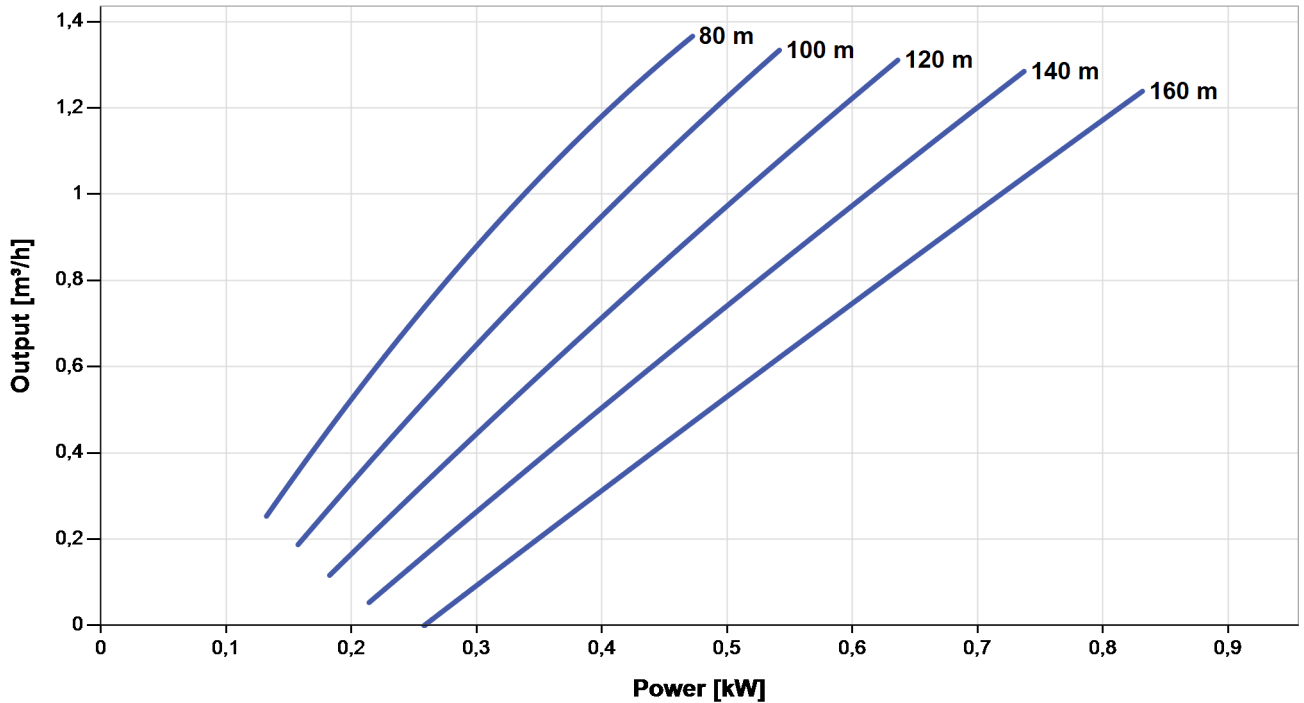


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### Pump chart

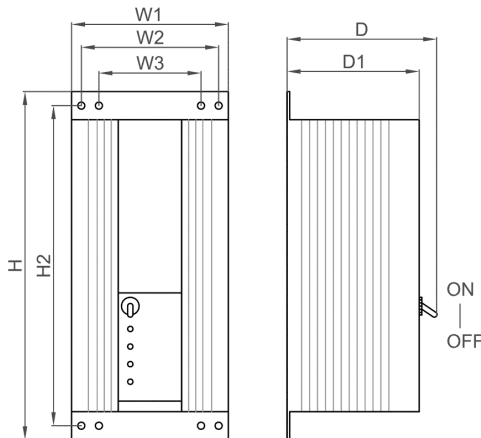
Vmp\* > 102 V



### Dimensions and weights

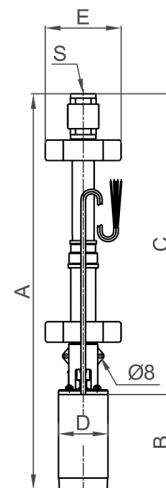
#### Controller

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



#### Pump unit\*\*\*

A = 771 mm  
 B = 185 mm  
 C = 586 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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