

PS2-600 HR-07 Leach

Solar Submersible Pump System for 4" wells

System Overview

Head	max. 160 ft
Flow rate	max. 6.0 USG/min

Technical Data

Controller PS2-600

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

Power	max. 0.70 kW
Input voltage	max. 150 V
Optimum Vmp**	> 68 V
Motor current	max. 13 A
Efficiency	max. 98 %
Ambient temp.	-40...122 °F
Enclosure class	IP68

Motor ECDRIVE 600-HR

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316
- No electronics in the motor

Rated power	0.7 kW
Efficiency	max. 92 %
Motor speed	900...3,300 rpm
Insulation class	F
Enclosure class	IP68
Submersion	max. 492 ft

Pump End PE HR-07 Leach***

- Non-return valve
- Premium materials, stainless steel: AISI 304/316
- Optional: dry running protection
- Helical rotor pump
- Sacrificial anode included

Efficiency	max. 61 %
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Pump Unit PU600 HR-07 Leach (Motor, Pump End)

Borehole diameter	min. 4,0 in
Water temperature	max. 140 °F

Standards



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



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

IEC/EN 61702:1995

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.

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

***Specify temperature range on order

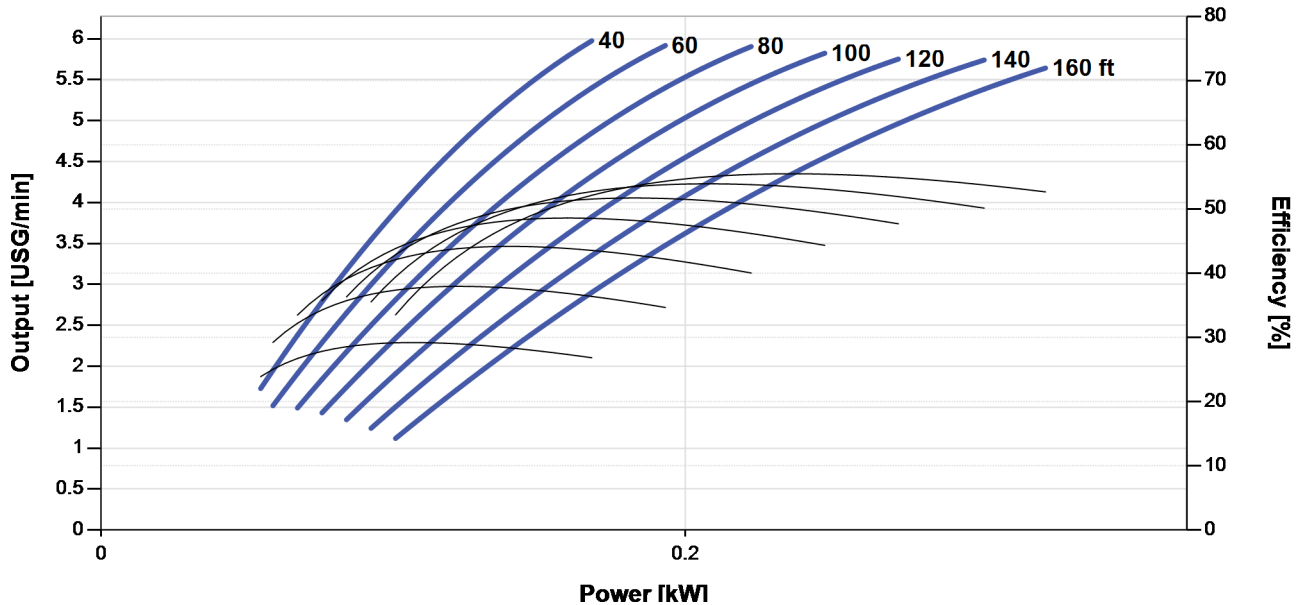


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Pump Chart

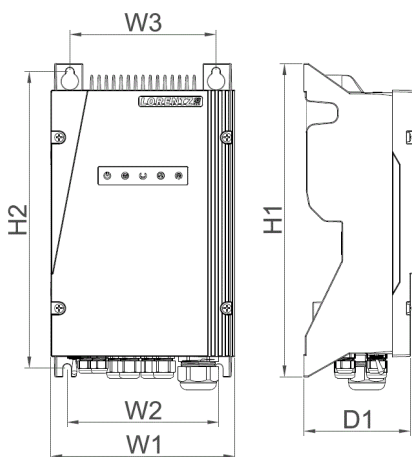
Vmp* > 68 V



Dimensions and Weights

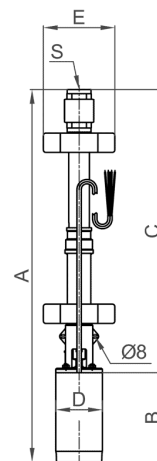
Controller

- H1 = 14 in
- H2 = 13 in
- W1 = 8.1 in
- W2 = 6.7 in
- W3 = 6.5 in
- D1 = 4.9 in



Pump Unit**

- A = 38 in
- B = 7.3 in
- C = 30 in
- D = 3.8 in
- E = 5.8 in
- S = 1.25 in



	Net weight
Controller	12 lbs
Pump Unit	28 lbs
Motor	15 lbs
Pump End	12 lbs

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

**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.