# PS2-4000 C-SJ8-15

## Solar Submersible Pump System for 4" wells

## System Overview

| | |
|---|---|
| Head | max. 80 m |
| Flow rate | max. 13 m³/h |

## Technical Data

### Controller PS2-4000

- 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)
- Integrated Sun Sensor

| | |
|---|---|
| Power | max. 4.0 kW |
| Input voltage | max. 375 V |
| Optimum Vmp** | > 238 V |
| Motor current | max. 14 A |
| Efficiency | max. 98 % |
| Ambient temp. | -40...50 °C |
| Enclosure class | IP68 |

### Motor ECDRIVE 4000-C

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

| | |
|---|---|
| Rated power | 4.0 kW |
| Efficiency | max. 92 % |
| Motor speed | 900...3,300 rpm |
| Insulation class | F |
| Enclosure class | IP68 |
| Submersion | max. 150 m |

### Pump End PE C-SJ8-15

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Centrifugal pump

| | |
|---|---|
| Efficiency | max. 68 % |




### Pump Unit PU4000 C-SJ8-15 (Motor, Pump End)

| | |
|---|---|
| Borehole diameter | min. 4,0 in |
| Water temperature | max. 50 °C |

## Standards

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

IEC/EN 61702:1995, IEC/EN 62253 Ed.1

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

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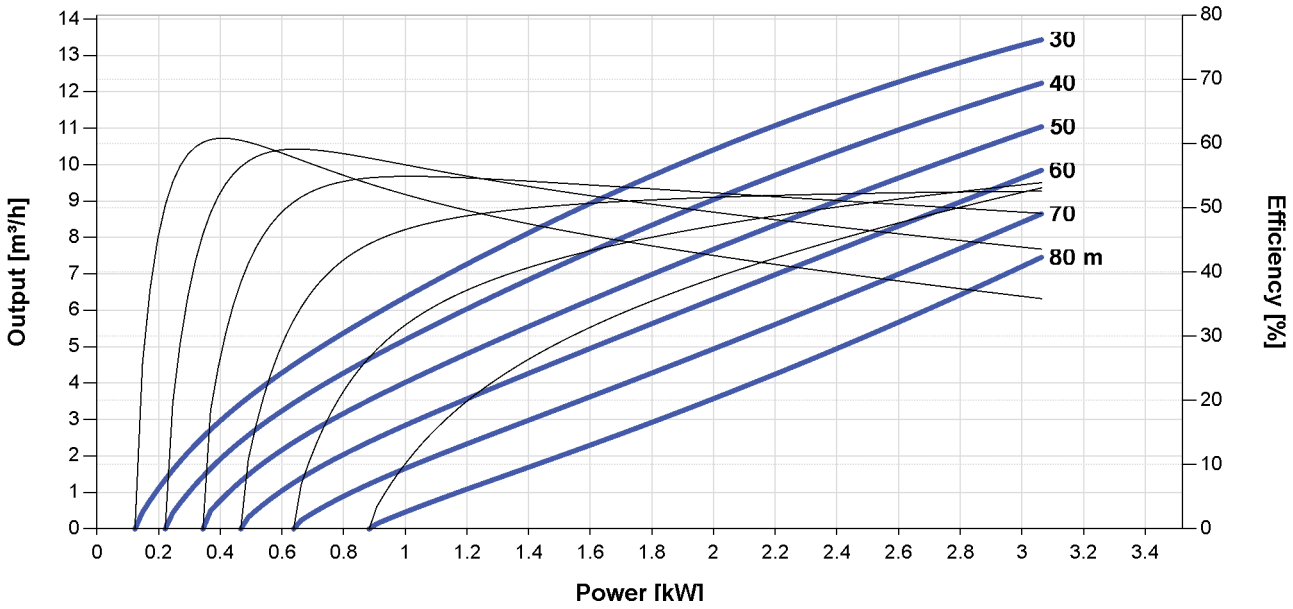
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## Pump Chart

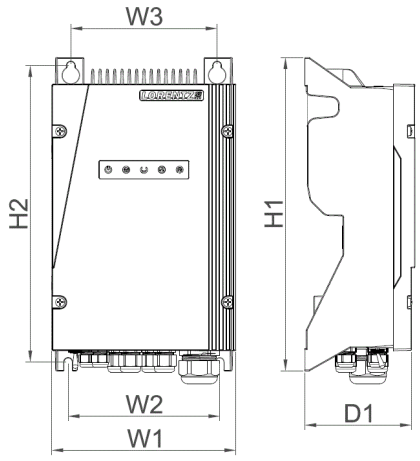
Vmp* > 238 V




## Dimensions and Weights

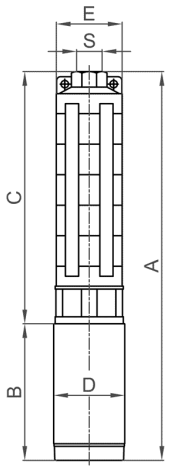
### Controller

H1 = 352 mm
H2 = 333 mm
W1 = 207 mm
W2 = 170 mm
W3 = 164 mm
D1 = 124 mm




### Pump Unit

A = 1,136 mm
B = 263 mm
C = 873 mm
D = 96 mm
E = 98 mm
S = 2 in




| | Net weight |
|---|---|
| Controller | 4.6 kg |
| Pump Unit | 20 kg |
| Motor | 10 kg |
| Pump End | 10 kg |

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

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