

PS2-600 CS-17-1

Solar Surface Pump System

System Overview

| | |
|-----------|--------------|
| Head | max. 12 m |
| Flow rate | max. 18 m³/h |

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...50 °C |
| Enclosure class | IP68 |

Motor ECDRIVE 600 CS-17

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

| | |
|------------------|-----------------|
| Rated power | 0.7 kW |
| Efficiency | max. 92 % |
| Motor speed | 900...3,300 rpm |
| Insulation class | F |
| Enclosure class | IPX4 |

Pump End PE CS-17-1

- Non-return valve
- Premium materials: PP
- Centrifugal pump

| | |
|------------|-----------|
| Efficiency | max. 51 % |
|------------|-----------|



Pump Unit PU600 CS-17-1 (Motor, Pump End)

| | |
|------------------------------------|------------|
| Water temperature | max. 60 °C |
| Suction head / Positive inlet head | max. 3 m |

Standards



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

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

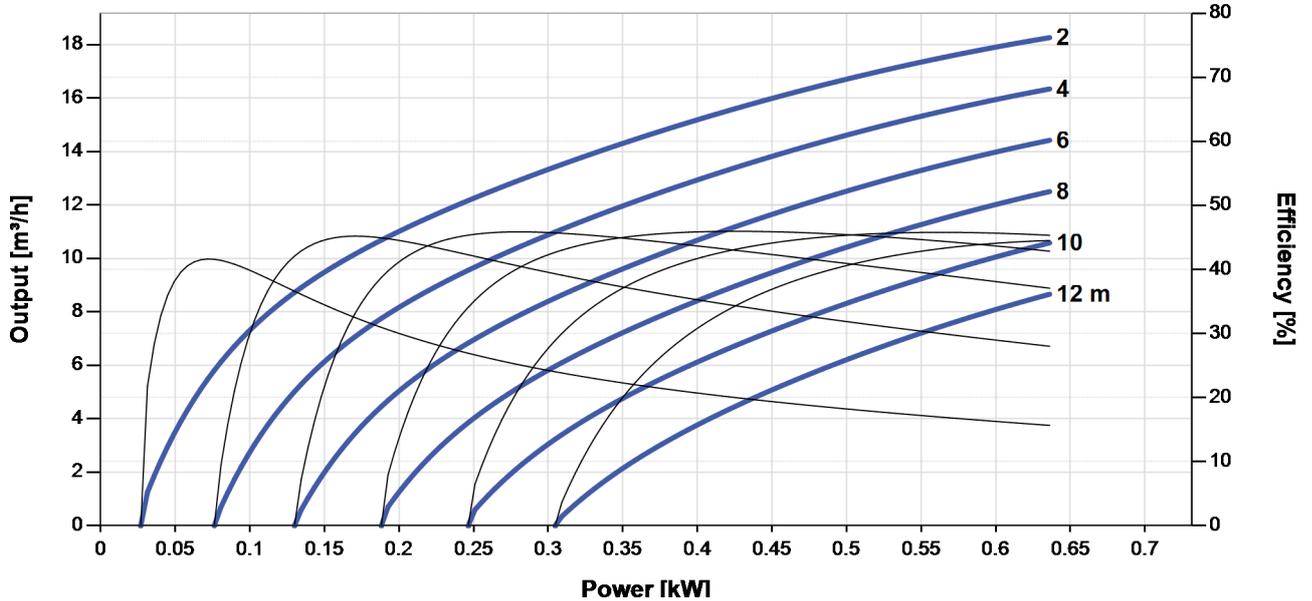


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Pump Chart

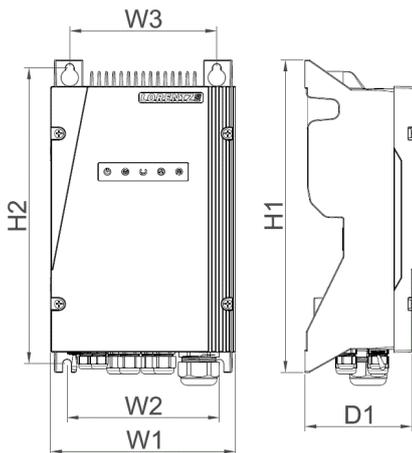
Vmp* > 68 V



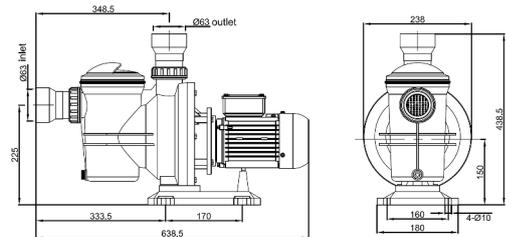
Dimensions and Weights

Controller

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



Pump Unit [mm]



| | Net weight |
|------------|------------|
| Controller | 5.6 kg |
| Pump Unit | 6.9 kg |
| Motor | 5.2 kg |
| Pump End | 1.7 kg |

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

