

# PS600 Pool CS-17-1

## Solar Surface Pump System

### System Overview

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

### Technical Data

#### Controller PS600 Pool

- 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. 0,64 kW |
| Input voltage   | max. 150 V   |
| Optimum Vmp*    | > 68 V       |
| Motor current   | max. 13 A    |
| Efficiency      | max. 98 %    |
| Ambient temp.   | -30...50 °C  |
| Enclosure class | IP54         |

#### Motor ECDRIVE 600 CS-17

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

|                  |                 |
|------------------|-----------------|
| Rated power      | 0,70 kW         |
| Efficiency       | max. 92 %       |
| Motor speed      | 900...3.300 rpm |
| Insulation class | F               |
| Enclosure class  | IPX4            |


#### Pump End PE CS-17-1

- Premium materials: PP

#### Pump Unit PU CS-17-1 (Motor, Pump End)

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

### Standards

 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

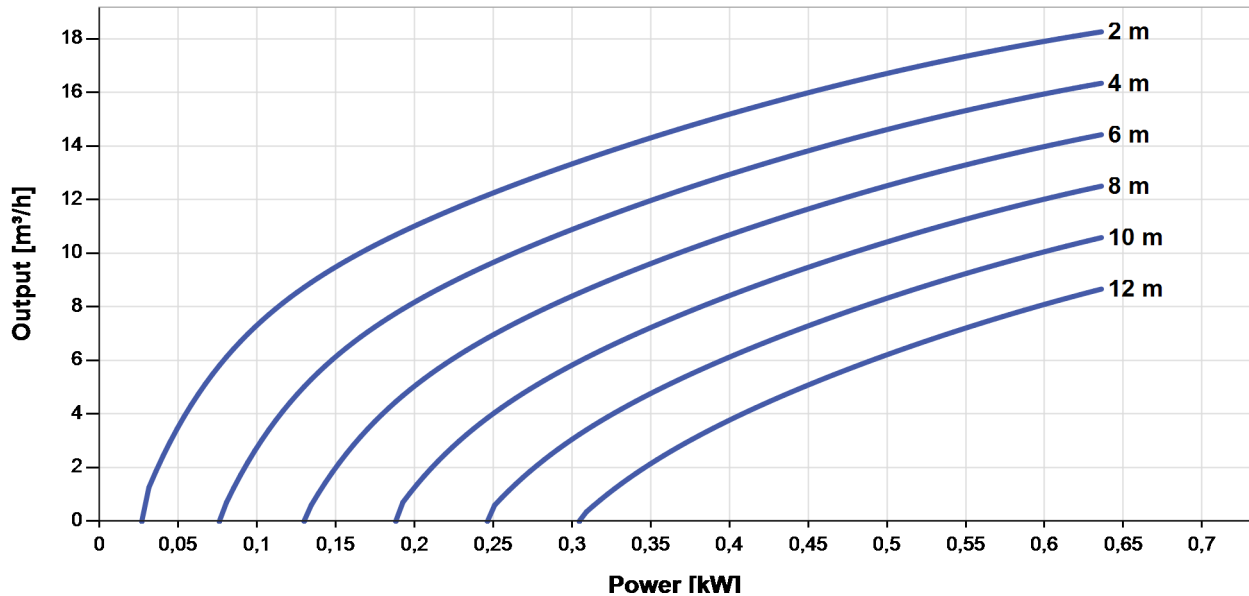


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### Pump Chart

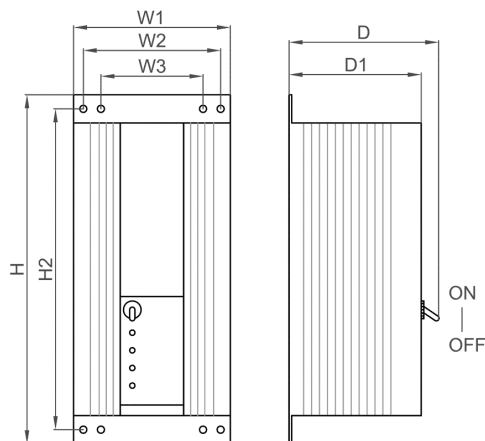
Vmp\* > 68 V



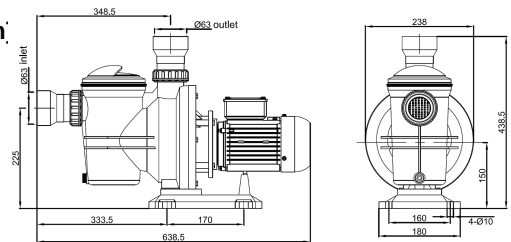
### Dimensions and Weights

#### Controller

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



#### Pump Unit [mm]



|            | Net weight |
|------------|------------|
| Controller | 4,5 kg     |
| Pump Unit  | 8,7 kg     |
| Motor      | 7,0 kg     |
| Pump End   | 1,7 kg     |

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

