

PS2-1800 CS-37-1

Solar Surface Pump System

System Overview

Head	max. 14 m
Flow rate	max. 36 m³/h

Technical Data

Controller PS2-1800

- 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
- Integrated Sun Sensor

Power	max. 1,8 kW
Input voltage	max. 200 V
Optimum Vmp**	> 102 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-40...50 °C
Enclosure class	IP68

Motor ECDRIVE 1800 CS-37

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

Rated power	1,7 kW
Efficiency	max. 92 %
Motor speed	900...3.300 rpm
Insulation class	F
Enclosure class	IPX4

Pump End PE CS-37-1

- Non-return valve
- Premium materials: PP
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU1800 CS-37-1 (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

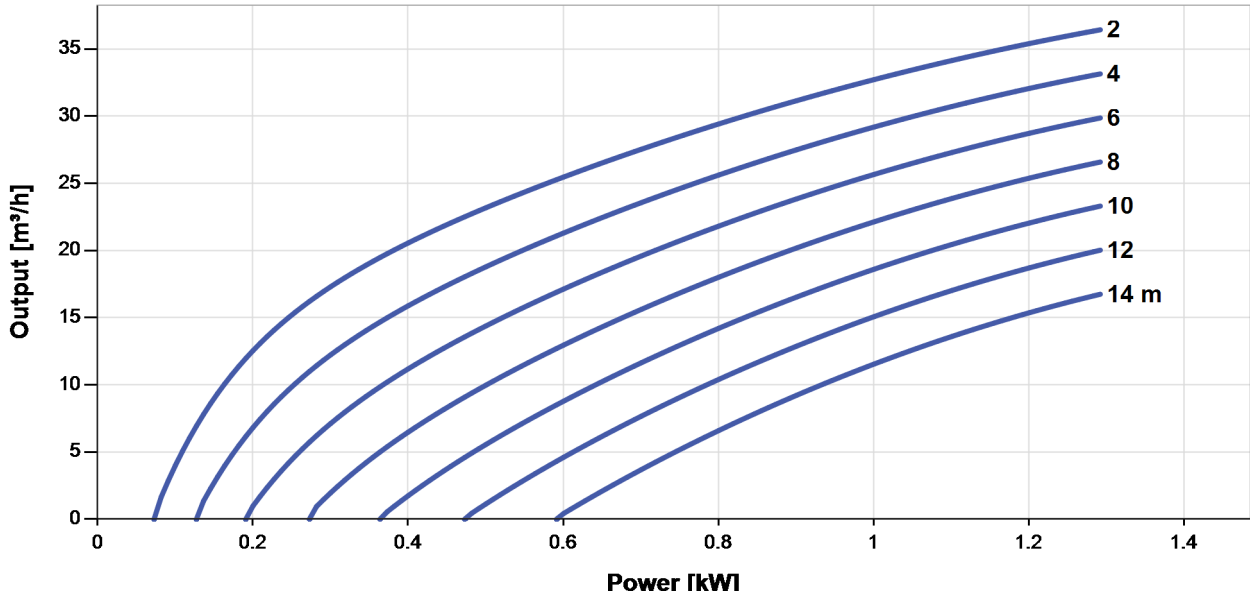


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Pump Chart

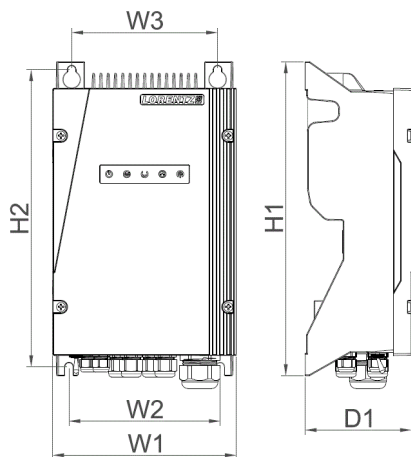
Vmp* > 102 V



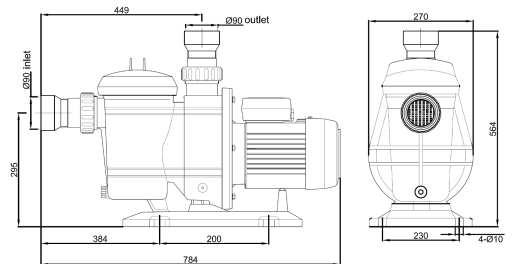
Dimensions and Weights

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	6,0 kg
Pump Unit	20 kg
Motor	9,7 kg
Pump End	11 kg

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

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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.