PS4000 C-SJ42-2

Solar Submersible Pump System for 6" wells

System Overview

Head	max. 18 m
Flow rate	max. 55 m³/h

Technical Data

Controller PS4000

- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracking)

Power	max. 4.0 kW
Input voltage	max. 375 V
Optimum Vmp*	> 238 V
Motor current	max. 15 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP54

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	3.5 kW
Efficiency	max. 92 %
Motor speed	900...3,300 rpm
Insulation class	F
Enclosure class	IP68
Submersion	max. 250 m

Pump End PE C-SJ42-2

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU C-SJ42-2 (Motor, Pump End)

Borehole diameter	min. 6,0 in
Water temperature	max. 50 °C

Standards

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

Meets the requirements of:
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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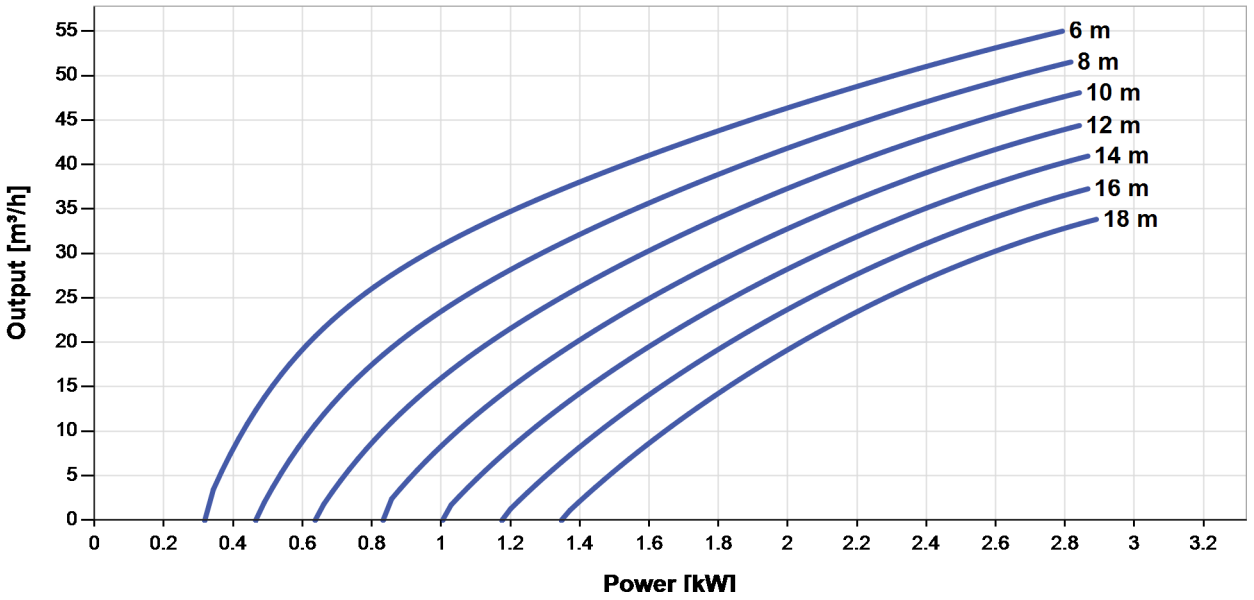
Pump Chart

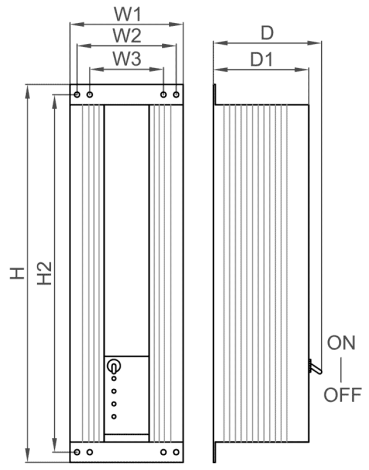
Vmp* > 238 V



Dimensions and Weights

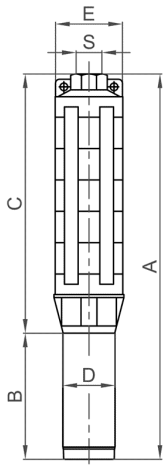
Controller

H = 595 mm
H2 = 563 mm
W1 = 178 mm
W2 = 156 mm
W3 = 116 mm
D = 165 mm
D1 = 150 mm



Pump Unit

A = 736 mm
B = 245 mm
C = 491 mm
D = 96 mm
E = 147 mm
S = 3 in



	Net weight
Controller	9.0 kg
Pump Unit	20 kg
Motor	10 kg
Pump End	10 kg

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