

# PS4000 C-SJ30-2

## Solar Submersible Pump System for 6" wells

### System Overview

Head	max. 22 m
Flow rate	max. 45 m <sup>3</sup> /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 V <sub>mp</sub> *	> 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-SJ30-2

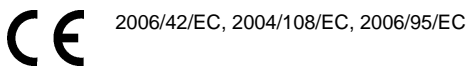
- Non-return valve
- Premium materials, stainless steel: AISI 304
- Optional: dry running protection
- Centrifugal pump

#### Pump Unit PU C-SJ30-2 (Motor, Pump End)

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



### Standards



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.

\*V<sub>mp</sub>: MPP-voltage under Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 25 °C cell temperature

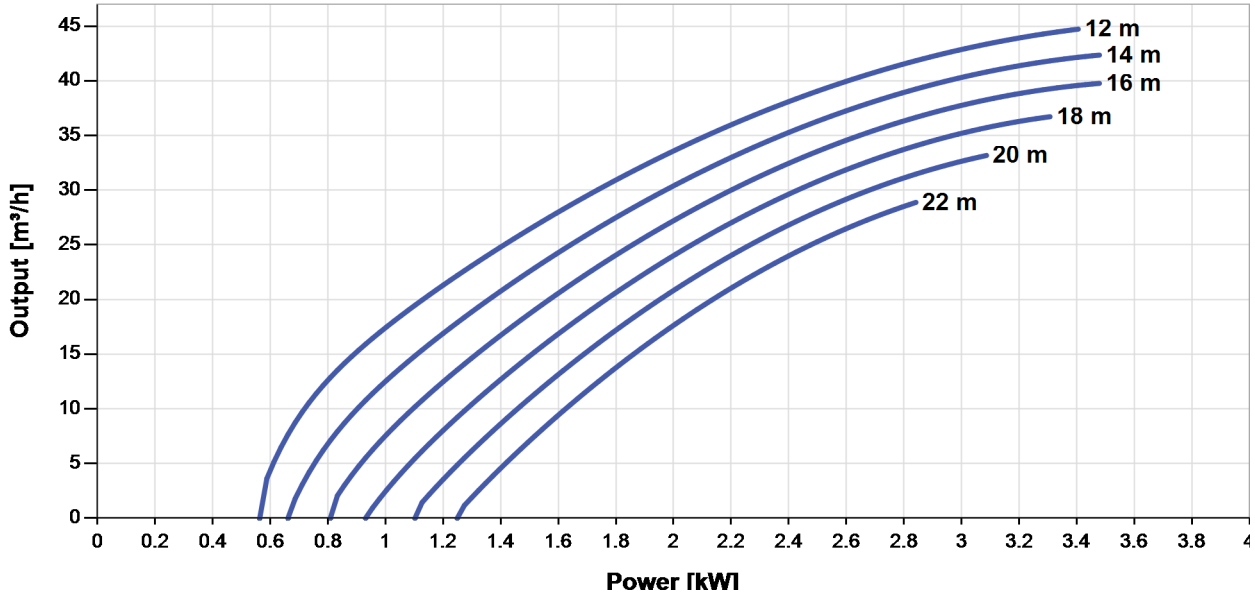


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### Pump Chart

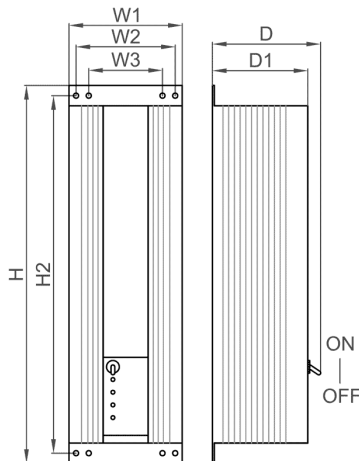
V<sub>mp</sub>\* > 238 V



### Dimensions and Weights

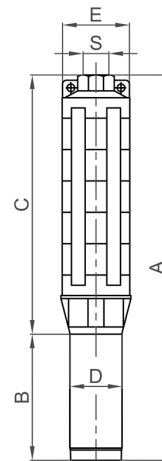
#### Controller

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



#### Pump Unit

- A = 705 mm
- B = 245 mm
- C = 460 mm
- D = 96 mm
- E = 133 mm
- S = 3 in



	Net weight
Controller	9.0 kg
Pump Unit	20 kg
Motor	10 kg
Pump End	9.5 kg

\*V<sub>mp</sub>: MPP-voltage under Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 25 °C cell temperature

