

# 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

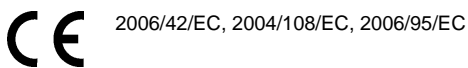
#### Pump End PE C-SJ30-2

- Non-return valve
- Premium materials, stainless steel: AISI 304

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

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

### 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.

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

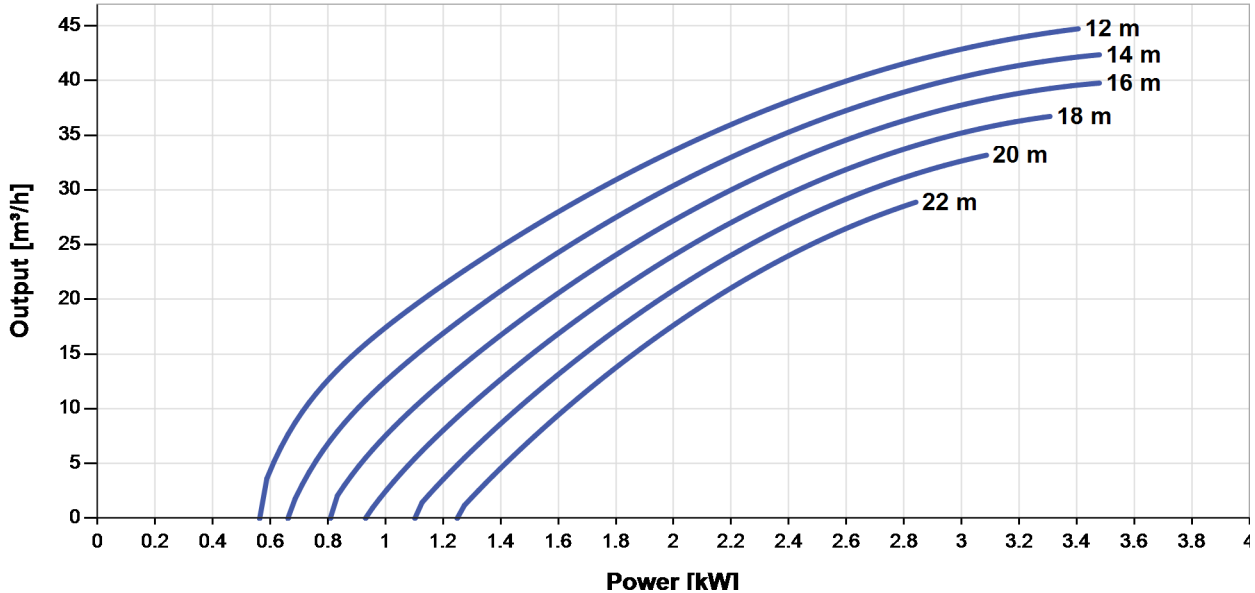


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### Pump Chart

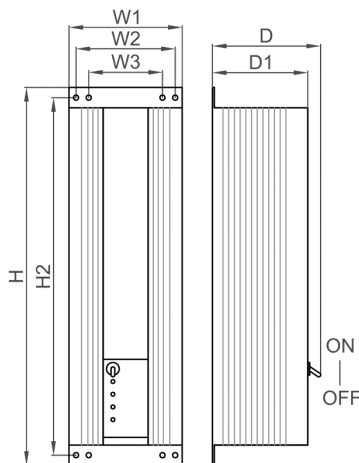
V<sub>mp</sub>\* > 238 V



### Dimensions and Weights

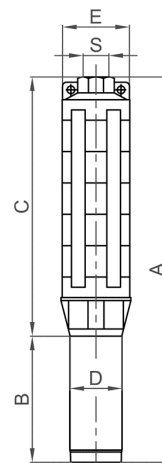
#### Controller

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

