

# PS15k C-SJ30-12

## Solar Submersible Pump System for 6" wells

### System Overview

|           |                           |
|-----------|---------------------------|
| Head      | max. 100 m                |
| Flow rate | max. 39 m <sup>3</sup> /h |

### Technical Data

#### Controller PS15k

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

|                           |             |
|---------------------------|-------------|
| Power                     | max. 14 kW  |
| Input voltage             | max. 800 V  |
| Optimum V <sub>mp</sub> * | > 575 V     |
| Motor current             | max. 20 A   |
| Efficiency                | max. 98 %   |
| Ambient temp.             | -30...50 °C |
| Enclosure class           | IP41        |

#### Motor AC DRIVE SUB 6" 11kW

- Highly efficient 3-phase AC motor
- Frequency: 25...50 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

|                  |                   |
|------------------|-------------------|
| Motor speed      | 1,400...2,850 rpm |
| Power factor     | 0.87              |
| Insulation class | F                 |
| Enclosure class  | IP68              |
| Submersion       | max. 300 m        |

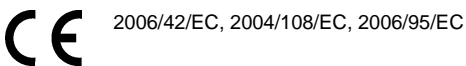
#### Pump End PE C-SJ30-12

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

#### Pump Unit PU C-SJ30-12 (Motor, Pump End)

|                   |             |
|-------------------|-------------|
| Borehole diameter | min. 6,0 in |
| Water temperature | max. 30 °C  |

### Standards



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

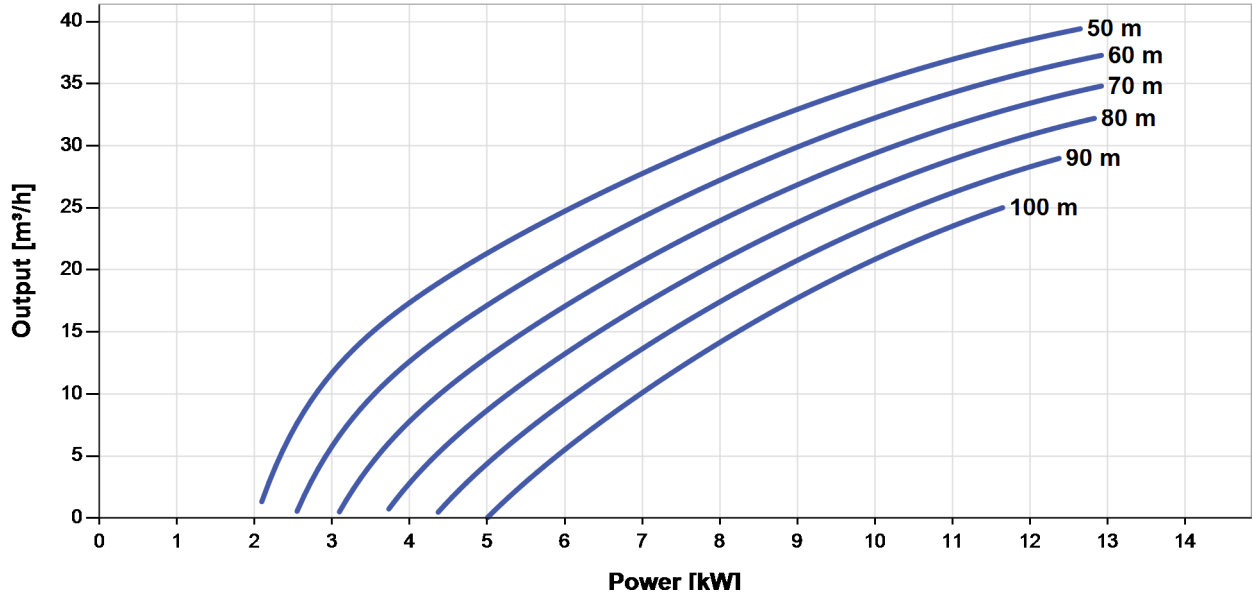


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### Pump Chart

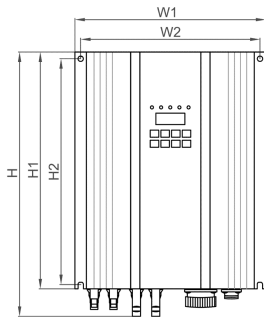
Vmp\* > 575 V



### Dimensions and Weights

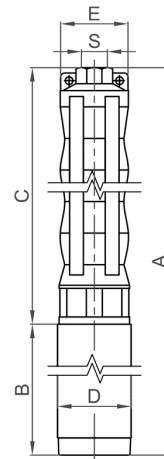
#### Controller

- H = 350 mm
- H1 = 310 mm
- H2 = 295 mm
- W1 = 250 mm
- W2 = 235 mm
- D1 = 200 mm
- D2 = 167 mm



#### Pump Unit

- A = 2,145 mm
- B = 711 mm
- C = 1,434 mm
- D = 144 mm
- E = 133 mm
- S = 3 in



|            | Net weight |
|------------|------------|
| Controller | 9.0 kg     |
| Pump Unit  | 85 kg      |
| Motor      | 58 kg      |
| Pump End   | 27 kg      |

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

