

PS2-4000 C-SJ42-2

Solar Submersible Pump System for 6" wells

System Overview

| | |
|-----------|--------------|
| Head | max. 18 m |
| Flow rate | max. 53 m³/h |

Technical Data

Controller PS2-4000

- 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)
- Integrated Sun Sensor

| | |
|-----------------|-------------|
| Power | max. 4,0 kW |
| Input voltage | max. 375 V |
| Optimum Vmp** | > 238 V |
| Motor current | max. 14 A |
| Efficiency | max. 98 % |
| Ambient temp. | -40...50 °C |
| Enclosure class | IP68 |

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 | 4,0 kW |
| Efficiency | max. 92 % |
| Motor speed | 900...3.300 rpm |
| Insulation class | F |
| Enclosure class | IP68 |
| Submersion | max. 150 m |

Pump End PE C-SJ42-2

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

| | |
|------------|-----------|
| Efficiency | max. 64 % |
|------------|-----------|



Pump Unit PU4000 C-SJ42-2 (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.

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

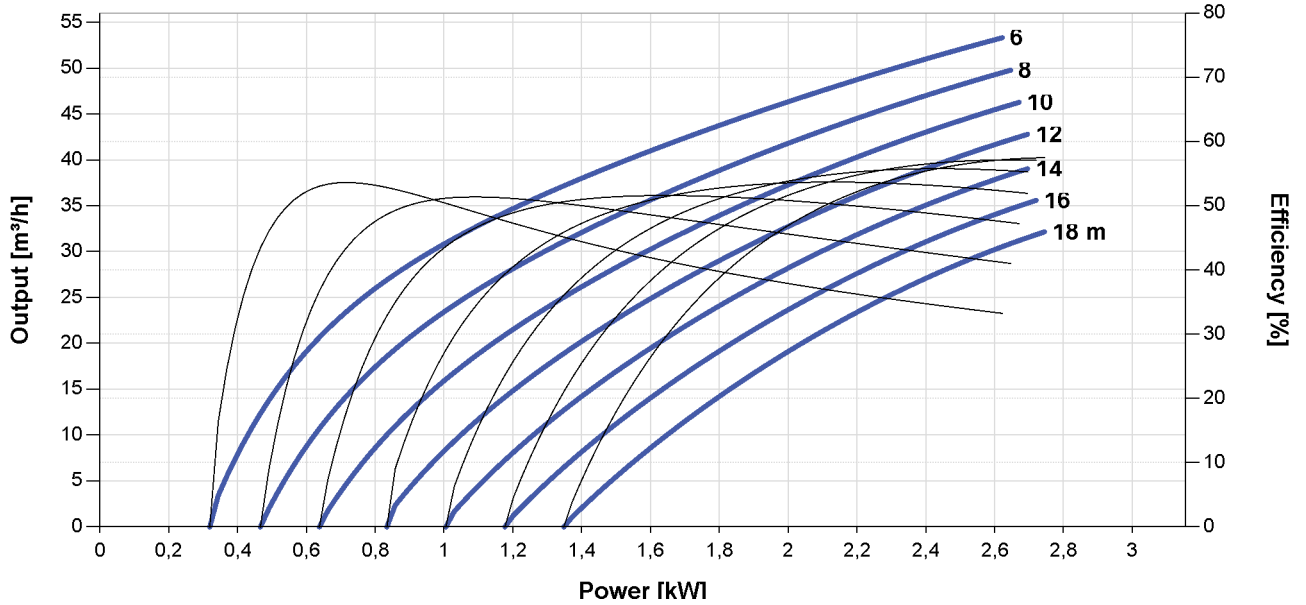


PS2-4000 C-SJ42-2

Solar Submersible Pump System for 6" wells

Pump Chart

Vmp* > 238 V



Dimensions and Weights

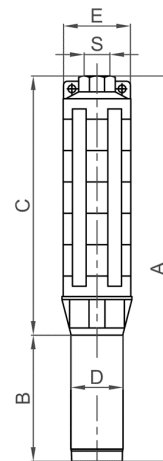
Controller

H1 = 352 mm
 H2 = 333 mm
 W1 = 207 mm
 W2 = 170 mm
 W3 = 164 mm
 D1 = 124 mm



Pump Unit

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



| | Net weight |
|------------|------------|
| Controller | 6,1 kg |
| Pump Unit | 20 kg |
| Motor | 10 kg |
| Pump End | 10 kg |

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

