

PS9k C-SJ42-4

Solar Submersible Pump System for 6" wells

System Overview

Head	max. 35 m
Flow rate	max. 72 m³/h

Technical Data

Controller PS9k

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

Power	max. 9.5 kW
Input voltage	max. 800 V
Optimum V _{mp} *	> 575 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP41

Motor AC DRIVE SUB 6" 7.5kW

- Highly efficient 3-phase AC motor
- Frequency: 25...54 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Motor speed	1,400...3,080 rpm
Power factor	0.87
Insulation class	F
Enclosure class	IP68
Submersion	max. 300 m

Pump End PE C-SJ42-4

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

Pump Unit PU C-SJ42-4 (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_{mp}: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

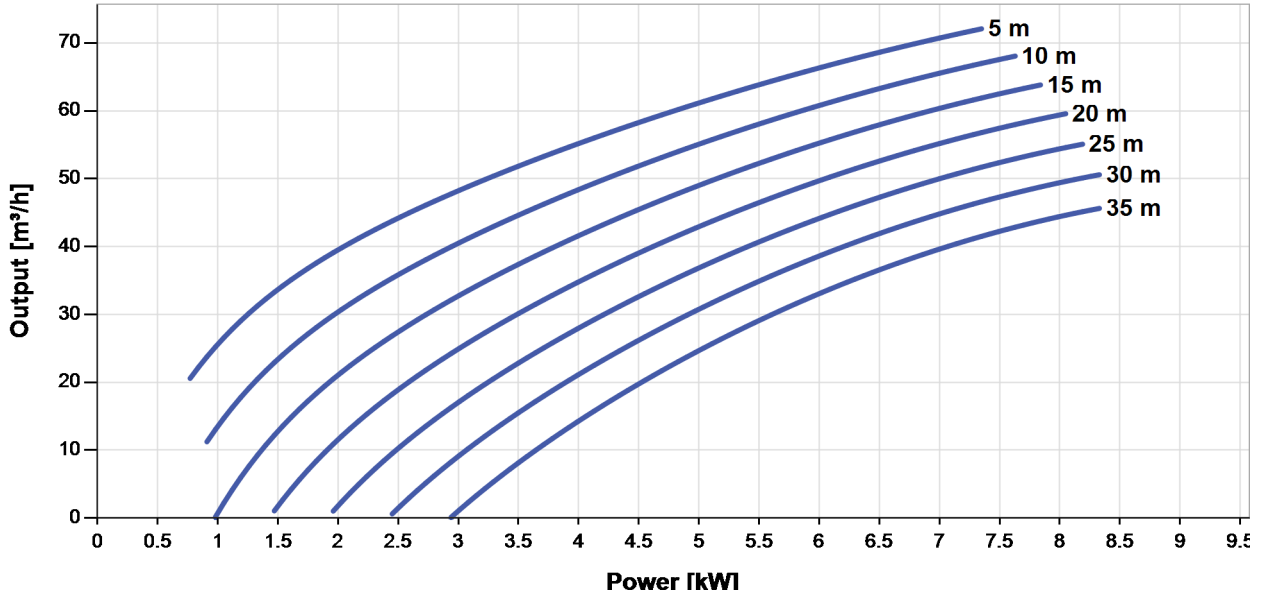


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Pump Chart

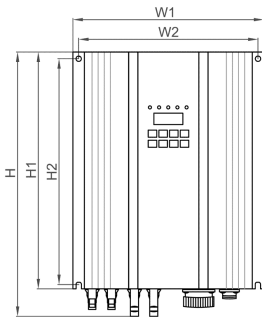
V_{mp}* > 575 V



Dimensions and Weights

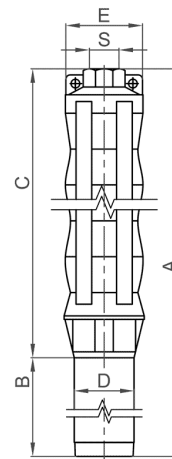
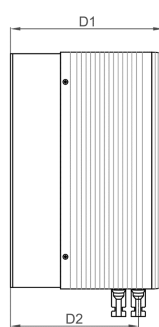
Controller

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



Pump Unit

A = 1,362 mm
 B = 645 mm
 C = 717 mm
 D = 144 mm
 E = 147 mm
 S = 3 in



	Net weight
Controller	9.0 kg
Pump Unit	68 kg
Motor	52 kg
Pump End	16 kg

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

