

PS9k C-SJ42-4

Solar submersible pump system for 6" wells

Application

- drinking water supply
- pond management
- irrigation
- livestock watering
- pressurizing

Characteristics

- fast, failure-free installation
- excellent serviceability
- high reliability and life expectancy
- short Return of Investment (ROI) cycle
- lower Total Cost of Ownership (TCO)

Technical data

Item #	1189
Total dynamic head	max. 35 m
Flow rate	max. 78 m ³ /h
Vmp**	> 500 V
Voc	max. 800 V



Components

Controller: PS9k

- controlling and monitoring
- control inputs for well probe, dry running protection, remote control etc.
- protected against reverse polarity, overload and high temperature
- integrated MPPT (Maximum Power Point Tracking)
- datalogger

Motor:

- highly efficient 3-phase AC motor
- no electronics in the motor
- submersion max. 300 m, IP68
- premium materials

Pump end: PE C-SJ42-4

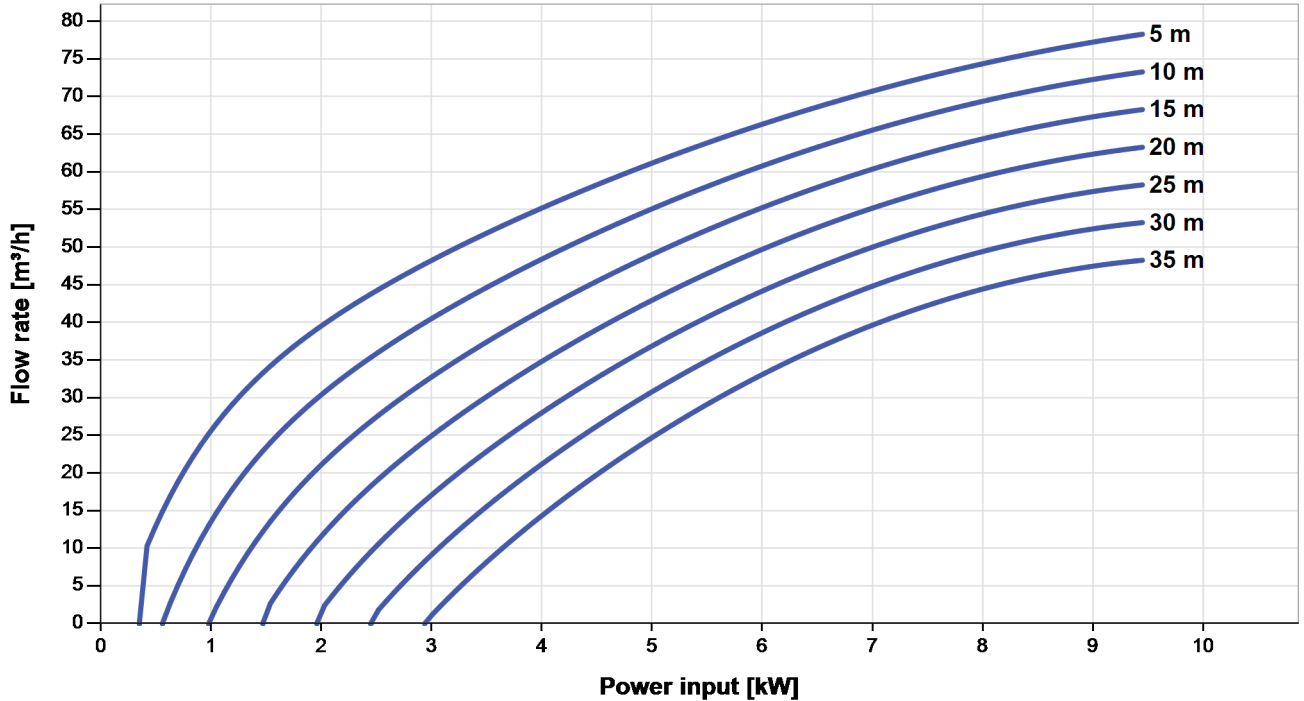
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

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Pump chart

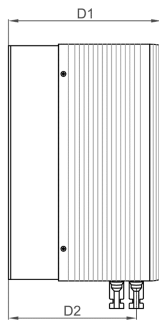
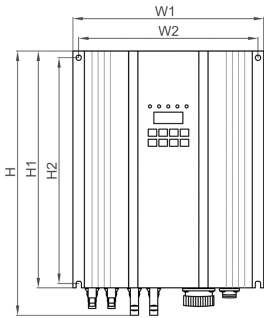
Max. power voltage (Vmp^{**}): > 500 V



Dimensions and weights

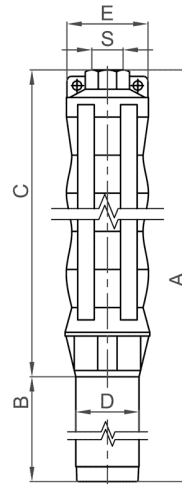
Controller

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



Pump unit

A = 1.362 m
 B = 645 mm
 C = 717 mm
 D = 138 mm
 E = 147 mm
 S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	420x330x300 mm	0,042 m ³	11 kg
Pump unit	68 kg	-	-	-
Motor	52 kg	1.060x160x160 mm	0,027 m ³	53 kg
Pump end	16 kg	1.480x160x180 mm	0,043 m ³	17 kg

*Max. flow rate at min. recommended head

**Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m², cell temperature 25 °C