

# PS4000 C-SJ42-1

## 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 #	1289
Total dynamic head	max. 12 m
Flow rate	max. 73 m <sup>3</sup> /h
Vmp**	> 238 V
Voc	max. 375 V



### Components

#### Controller: PS4000

- 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)

#### Motor: ECDRIVE 4000-C

- maintenance-free brushless DC motor
- water filled
- no electronics in the motor
- submersion max. 250 m, IP68
- premium materials

#### Pump end: PE C-SJ42-1

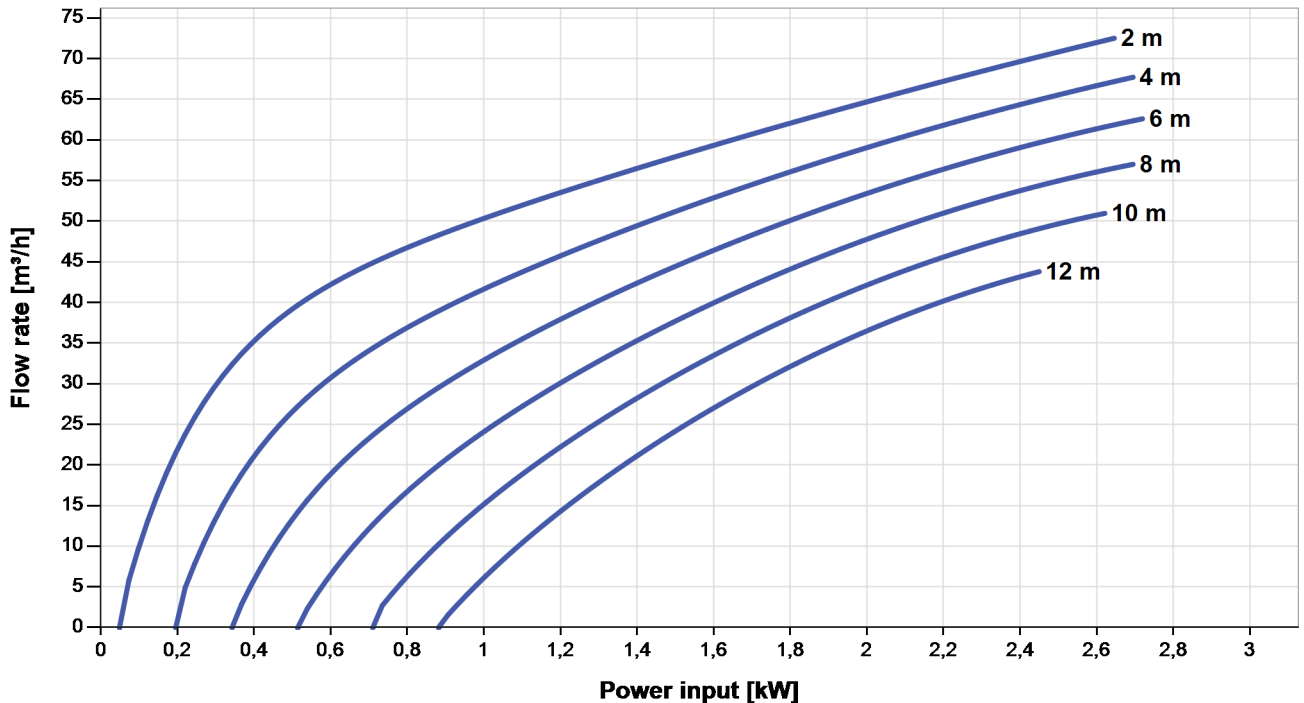
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

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#### Pump chart

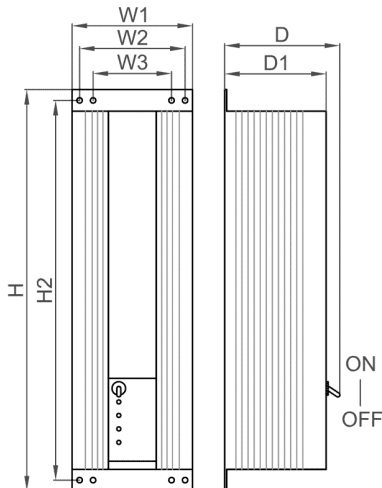
Max. power voltage (Vmp<sup>\*\*</sup>): > 238 V



#### Dimensions and weights

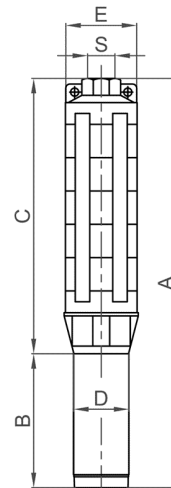
##### Controller

H = 595 mm  
 H2 = 563 mm  
 W1 = 178 mm  
 W2 = 156 mm  
 W3 = 116 mm  
 D = 165 mm  
 D1 = 150 mm



##### Pump unit

A = 625 mm  
 B = 245 mm  
 C = 380 mm  
 D = 96 mm  
 E = 147 mm  
 S = 3 in



	net weight	packaging	shipping volume	gross weight
Controller	9,0 kg	670x250x240 mm	0,040 m <sup>3</sup>	9,9 kg
Pump unit	18 kg	650x160x150 mm	0,016 m <sup>3</sup>	19 kg
Motor	10 kg	160x140x400 mm	0,009 m <sup>3</sup>	10 kg
Pump end	8,0 kg	1.480x160x180 mm	0,043 m <sup>3</sup>	9,4 kg

\*Max. flow rate at min. recommended head

\*\*Vmp: max. power voltage under Standard Test Conditions (STC): AM = 1.5, E = 1000 W/m<sup>2</sup>, cell temperature 25 °C