

# PS1200 C-SJ8-5

## Solar submersible pump system for 4" 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 #	1223
Total dynamic head	max. 25 m
Flow rate*	max. 14 m <sup>3</sup> /h
Vmp**	> 102 V
Voc	max. 200 V
Pump type	centrifugal



### Components

#### Controller: PS1200

- 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)
- low voltage disconnect for battery operation

#### Motor: ECDRIVE 1200-C

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

#### Pump end: PE C-SJ8-5

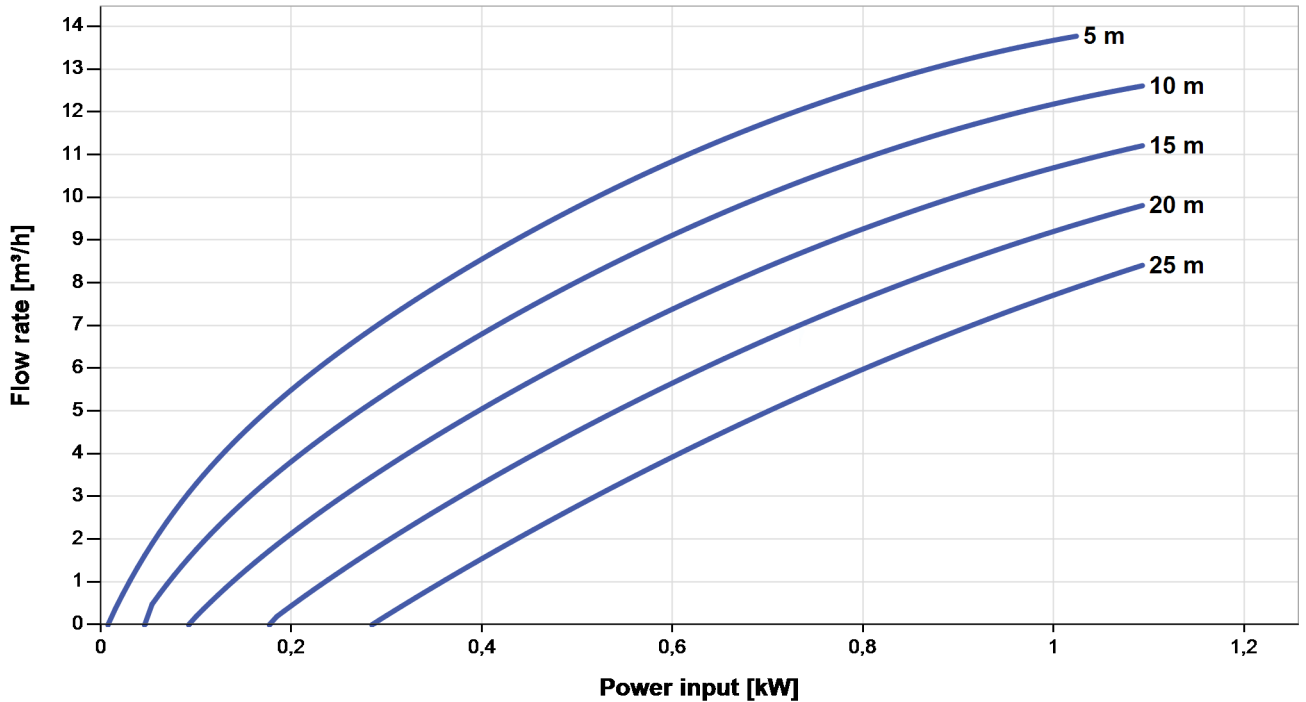
- high life expectancy
- non-return valve
- premium materials
- optional: dry running protection

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### Pump chart

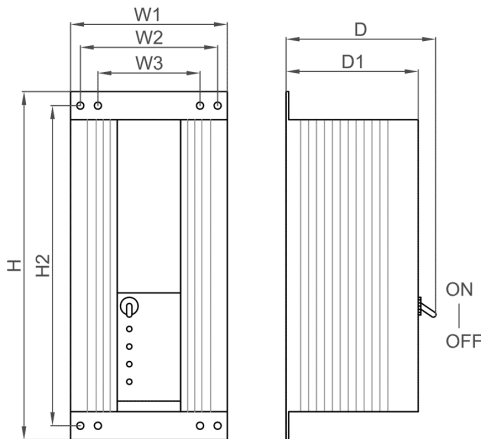
Max. power voltage (Vmp<sup>\*\*</sup>): > 102 V



### Dimensions and weights

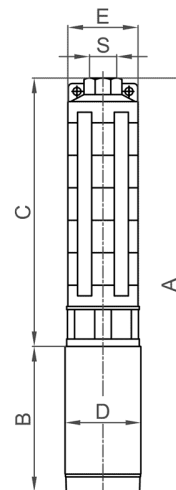
#### Controller

- H = 396 mm
- H2 = 364 mm
- W1 = 178 mm
- W2 = 156 mm
- W3 = 116 mm
- D = 165 mm
- D1 = 150 mm



#### Pump unit

- A = 600 mm
- B = 185 mm
- C = 415 mm
- D = 96 mm
- E = 98 mm
- S = 2 in



	net weight	packaging	shipping volume	gross weight
Controller	4,5 kg	450x250x240 mm	0,027 m³	5,2 kg
Pump Unit	13 kg	650x160x150 mm	0,016 m³	13 kg
Motor	7,0 kg	160x140x300 mm	0,007 m³	7,3 kg
Pump End	5,7 kg	650x160x150 mm	0,016 m³	6,2 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