

# PS1200 C-SJ5-8

## 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 #	1222
Total dynamic head	max. 40 m
Flow rate*	max. 8.2 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-SJ5-8

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

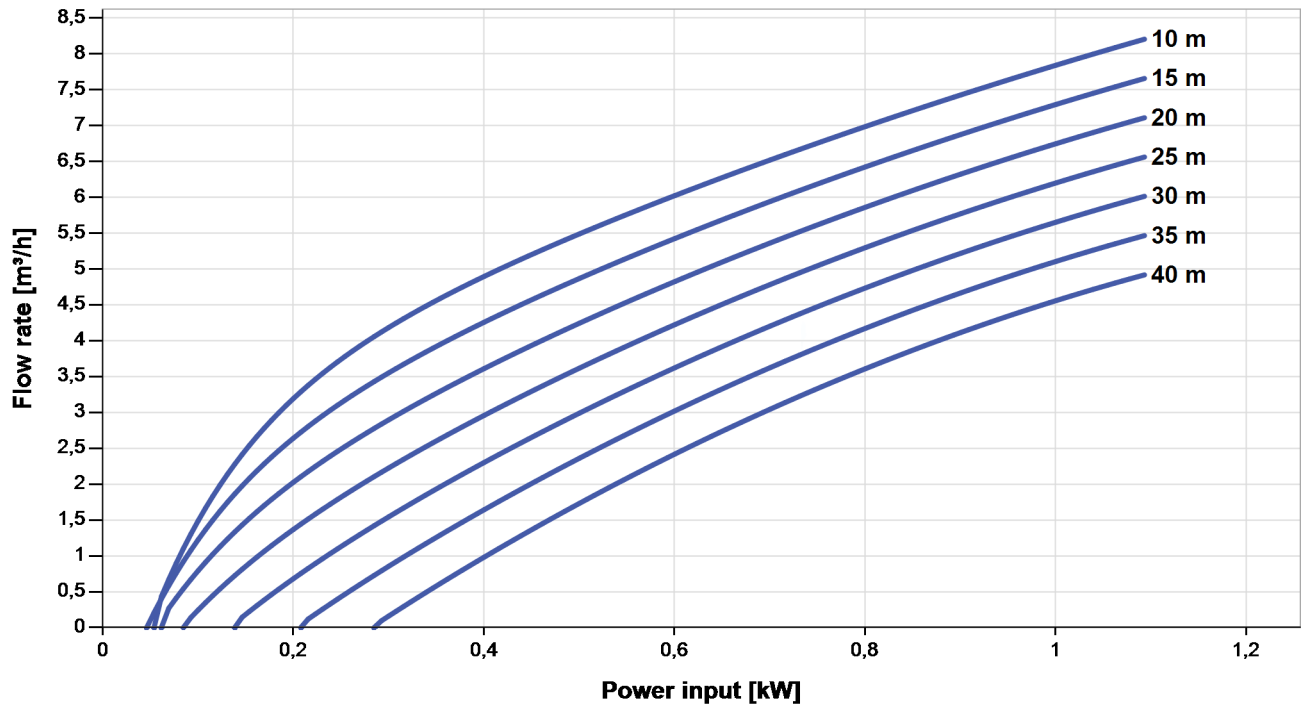


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### Pump chart

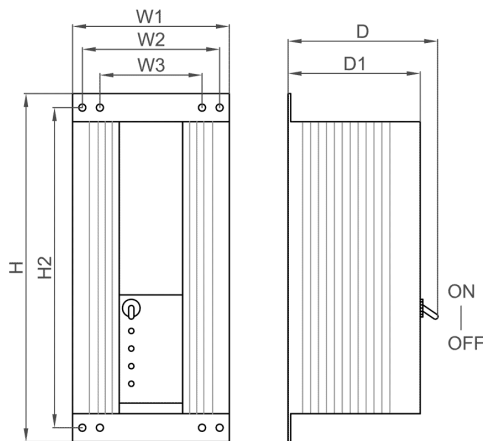
Max. power voltage (Vmp\*\*): > 102 V



### Dimensions and weights

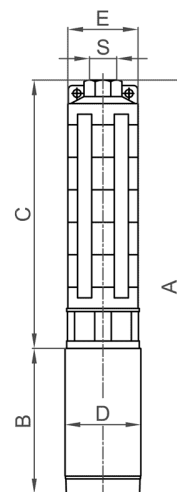
#### Controller

- H = 16 in
- H2 = 14 in
- W1 = 7.0 in
- W2 = 6.1 in
- W3 = 4.6 in
- D = 6.5 in
- D1 = 5.9 in



#### Pump unit

- A = 21 in
- B = 7.3 in
- C = 13 in
- D = 3.8 in
- E = 3.9 in
- S = 1.5 in



	net weight	packaging	shipping volume	gross weight
Controller	4.5 kg	18x9.8x9.4 in	0.027 m³	5.2 kg
Pump Unit	11 kg	26x6.3x5.9 in	0.016 m³	12 kg
Motor	7.0 kg	6.3x5.5x12 in	0.007 m³	7.3 kg
Pump End	4.2 kg	26x6.3x5.9 in	0.016 m³	4.7 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