

# PS1800 C-SJ12-4

## 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 #             | 1167                      |
| Total dynamic head | max. 18 m                 |
| Flow rate          | max. 20 m <sup>3</sup> /h |
| Vmp**              | > 102 V                   |
| Voc                | max. 200 V                |



### Components

#### Controller: PS1800

- 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-SJ12-4

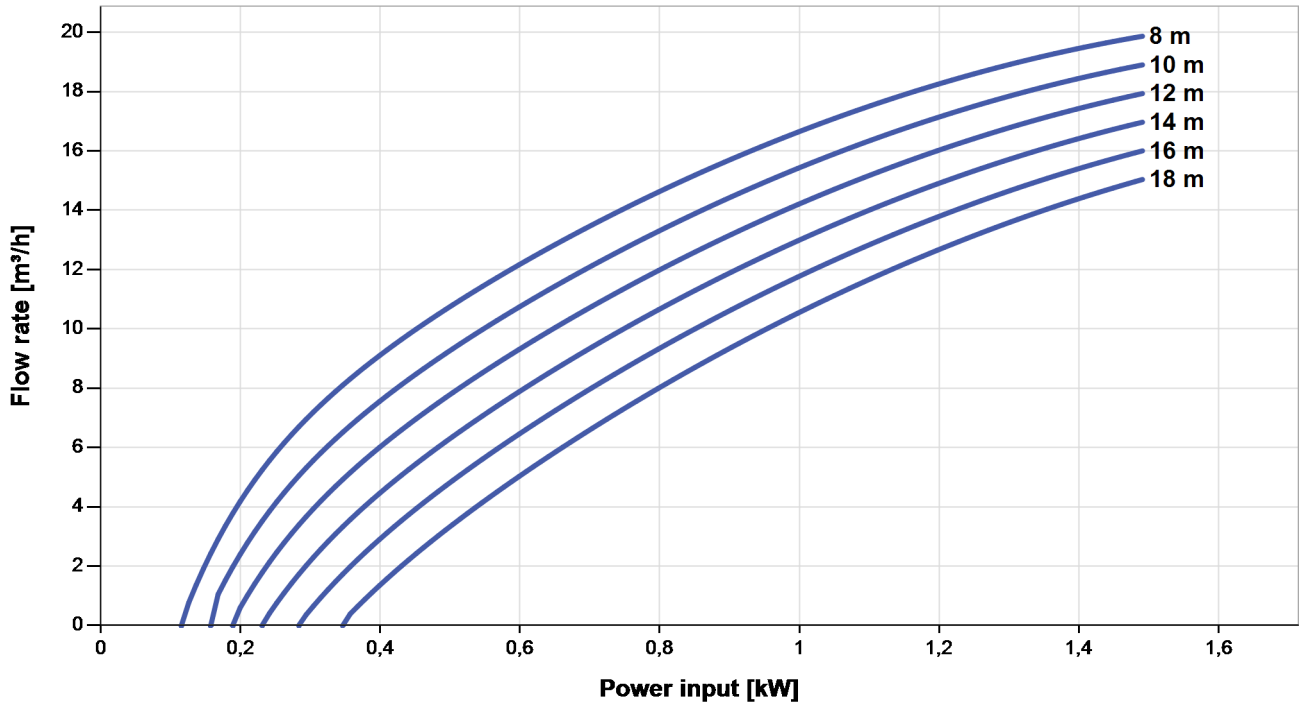
- high reliability and life expectancy
- non-return valve
- premium materials
- optional: dry running protection

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#### Pump chart

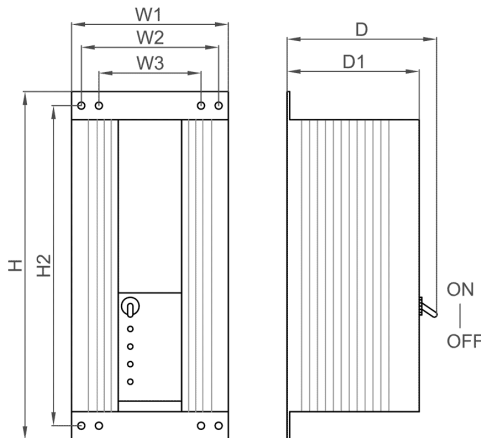
Max. power voltage (Vmp<sup>\*\*</sup>): > 102 V



#### Dimensions and weights

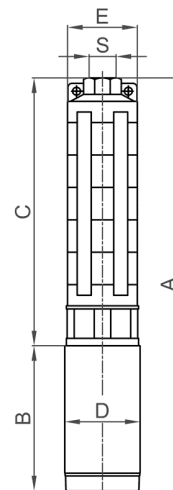
##### Controller

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



##### Pump unit

A = 665 mm  
 B = 185 mm  
 C = 480 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 m <sup>3</sup> | 5,2 kg       |
| Pump unit  | 13 kg      | 850x160x150 mm | 0,020 m <sup>3</sup> | 14 kg        |
| Motor      | 7,0 kg     | 160x140x300 mm | 0,007 m <sup>3</sup> | 7,3 kg       |
| Pump end   | 6,0 kg     | 650x160x150 mm | 0,016 m <sup>3</sup> | 6,5 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