

# PS1800 C-SJ3-18

## Solar submersible pump system for 4" wells

### Applications

- Drinking water supply
- Pond management
- Irrigation
- Livestock watering
- Pressurizing systems

### 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

Total dynamic head	max. 80 m
Flow rate	max. 4,0 m³/h
Vmp*	> 102 V
Voc	max. 200 V

### Standards

**CE** 2006/42/EC, 2004/108/EC, 2006/95/EC

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.



### Components

#### Controller: PS1800

- Controlling and monitoring
- Control inputs for dry running protection, remote control etc.
- Protected against reverse polarity, overload and overtemperature
- Integrated MPPT (Maximum Power Point Tracker)
- 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

#### Pump end: PE C-SJ3-18

- High reliability and life expectancy
- Non-return valve
- Premium materials
- Optional: dry running protection

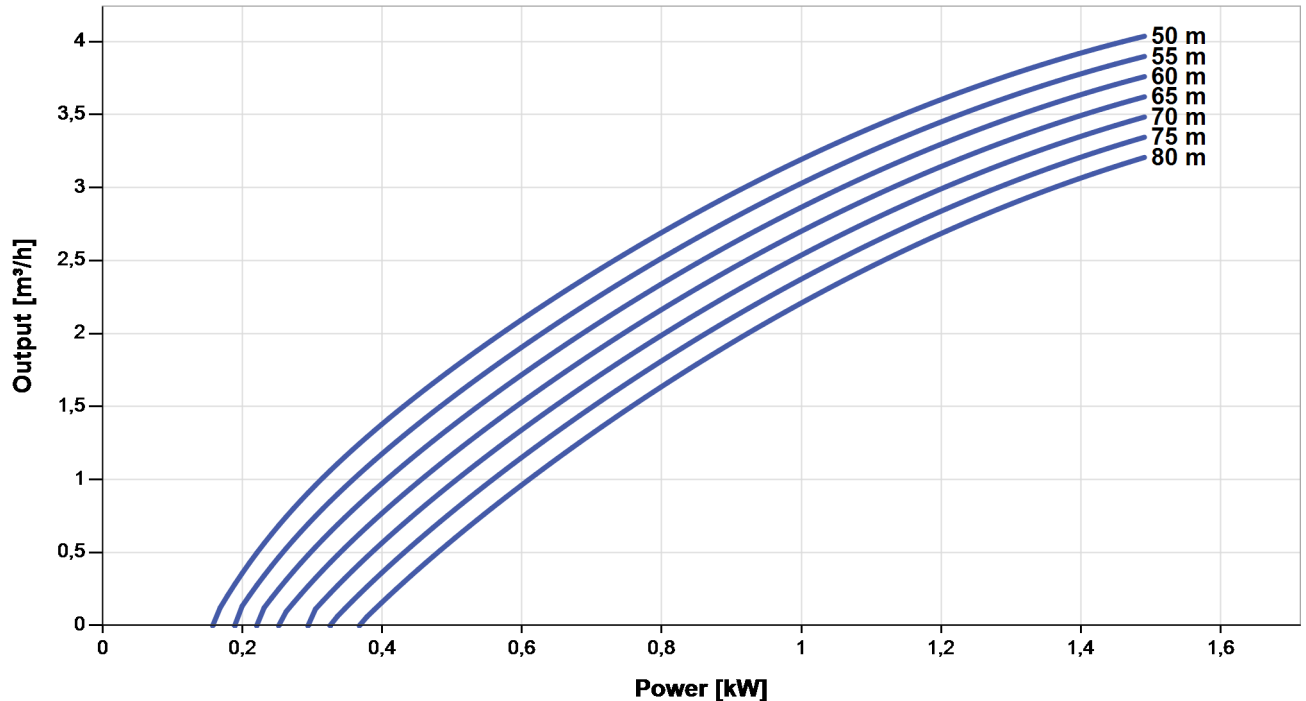


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## Pump chart

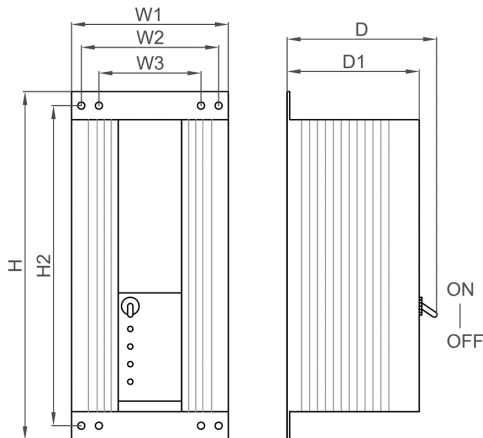
V<sub>mp</sub>\* > 102 V



## Dimensions and weights

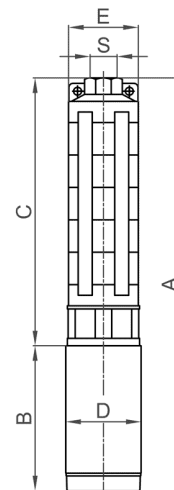
### Controller

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



### Pump unit

A = 715 mm  
B = 185 mm  
C = 530 mm  
D = 96 mm  
E = 98 mm  
S = 1,25 in



	Net weight
Controller	4,5 kg
Pump unit	14 kg
Motor	7,0 kg
Pump end	6,5 kg

\*V<sub>mp</sub>: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

