

# PS9k C-SJ42-4

## Solar submersible pump system for 6" 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. 100 ft
Flow rate	max. 314 USG/min
Vmp*	> 500 V
Voc	max. 800 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: PS9k

- 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)
- Data logger

#### Motor:

- Highly efficient 3-phase AC motor
- Frequency 50 Hz
- No electronics in the motor
- Submersion max. 984 ft, IP68

#### Pump end: PE C-SJ42-4

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

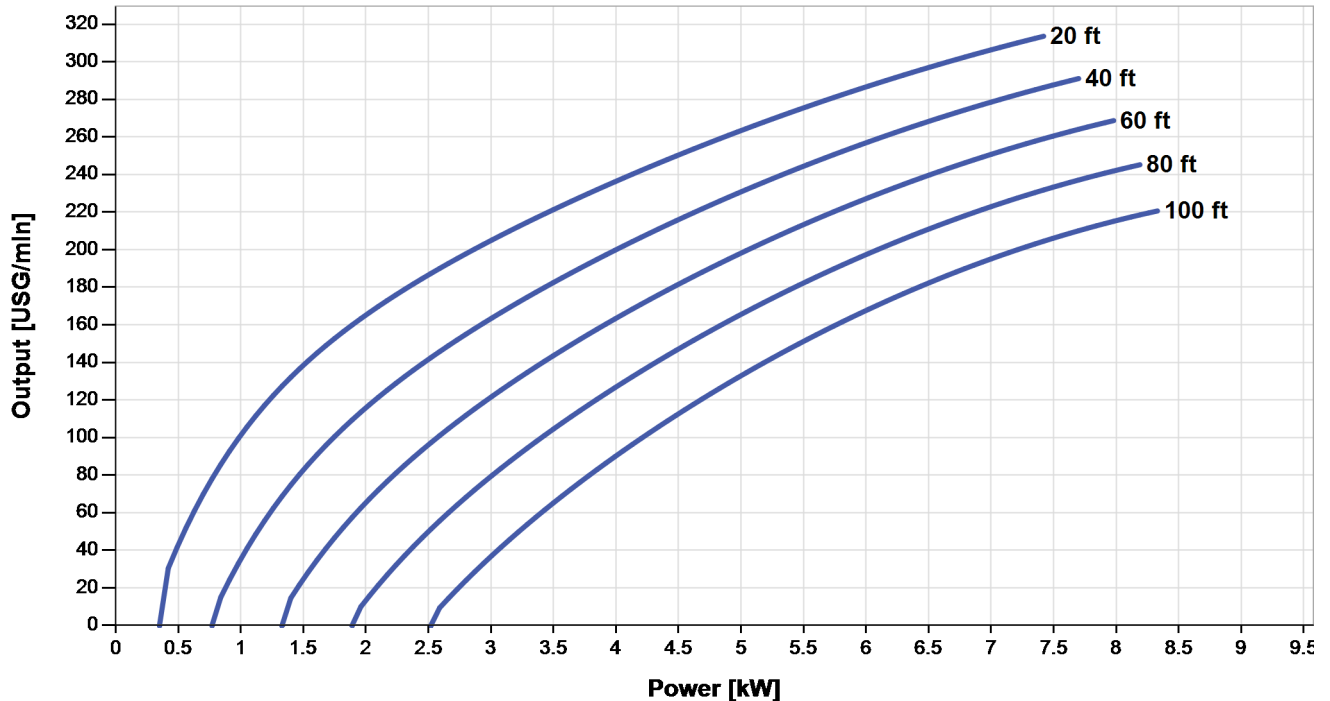


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## Pump chart

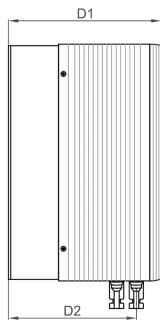
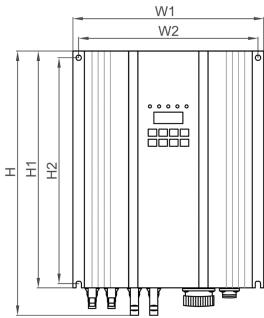
Vmp\* > 500 V



## Dimensions and weights

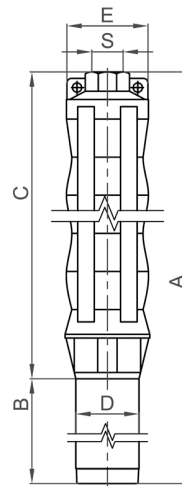
### Controller

H = 14 in  
 H1 = 12 in  
 H2 = 12 in  
 W = 9.8 in  
 W1 = 9.3 in  
 D = 7.9 in  
 D1 = 7.9 in  
 D2 = 6.6 in



### Pump unit

A = 54 in  
 B = 25 in  
 C = 28 in  
 D = 5.4 in  
 E = 5.8 in  
 S = 3 in



	Net weight
Controller	20 lbs
Pump unit	150 lbs
Motor	115 lbs
Pump end	35 lbs

\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 25 °C cell temperature

