

PS150 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 #	2100
Total dynamic head	max. 20 m
Flow rate*	max. 4,9 m ³ /h
Vmp**	> 17 V
Voc	max. 50 V
Pump type	centrifugal



Components

Controller: PS150

- 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 200-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

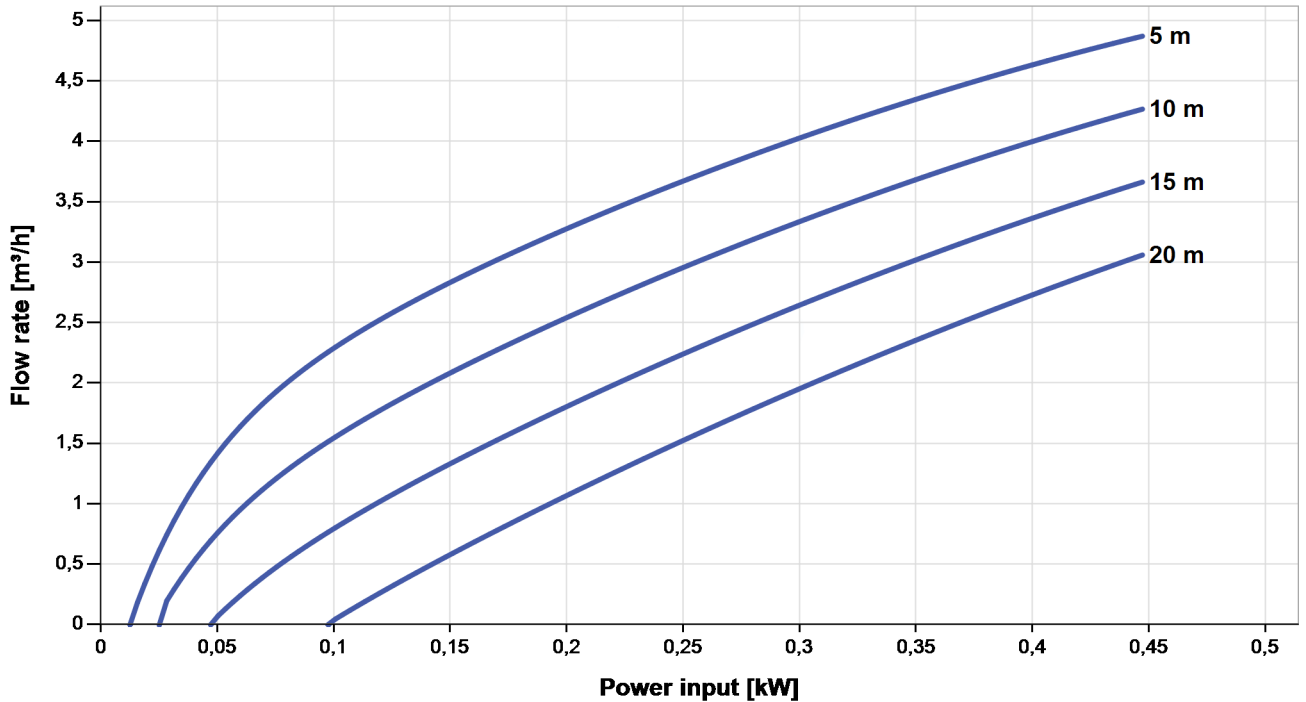


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Pump chart

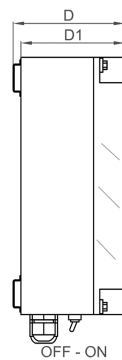
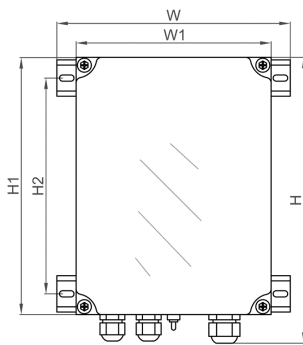
Max. power voltage (Vmp**): > 17 V



Dimensions and weights

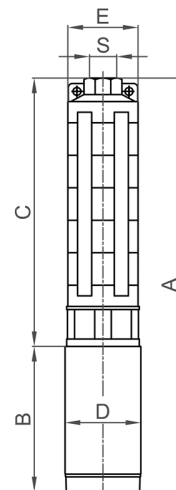
Controller

- H = 276 mm
- H1 = 248 mm
- H2 = 208 mm
- W = 225 mm
- W1 = 188 mm
- D = 108 mm
- D1 = 100 mm



Pump unit

- A = 524 mm
- B = 185 mm
- C = 339 mm
- D = 96 mm
- E = 98 mm
- S = 1,5 in



	net weight	packaging	shipping volume	gross weight
Controller	1,2 kg	320x250x180 mm	0,014 m³	1,7 kg
Pump Unit	11 kg	650x160x150 mm	0,016 m³	12 kg
Motor	7,0 kg	160x140x300 mm	0,007 m³	7,3 kg
Pump End	4,2 kg	650x160x150 mm	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