

PS25k C-SJ95-4

Solar Submersible Pump System for 8" wells

System Overview

Head	max. 60 m
Flow rate	max. 112 m ³ /h

Technical Data

Controller PS25k

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

Power	max. 23 kW
Input voltage	max. 800 V
Optimum V _{mp} *	> 575 V
Motor current	max. 33 A
Efficiency	max. 98 %
Ambient temp.	-30...50 °C
Enclosure class	IP41

Motor AC DRIVE SUB 6" 18.5kW

- Highly efficient 3-phase AC motor
- Frequency: 25...52 Hz
- Premium materials, stainless steel: AISI 304
- No electronics in the motor

Motor speed	1,400...2,965 rpm
Power factor	0.87
Insulation class	F
Enclosure class	IP68
Submersion	max. 300 m

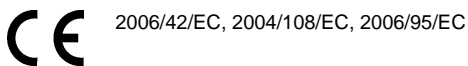
Pump End PE C-SJ95-4

- Non-return valve
- Premium materials, stainless steel: AISI 304

Pump Unit PU C-SJ95-4 (Motor, Pump End)

Borehole diameter	min. 8,0 in
Water temperature	max. 30 °C

Standards



IEC/EN 61702:1995,
IEC/EN 62253 Ed.1

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.

*V_{mp}: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature



PS25k C-SJ95-4

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Vmp* > 575 V

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H = 350 mm
H1 = 310 mm
H2 = 295 mm
W1 = 250 mm
W2 = 235 mm
D1 = 200 mm
D2 = 167 mm

IhfiZ

A = 1,884 mm
B = 1,018 mm
C = 866 mm
D = 143 mm
E = 197 mm
S = 5 in

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FhIhj	73 d]
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BERNT LORENTZ GmbH & Co. KG

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Sun. Water. Life.

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