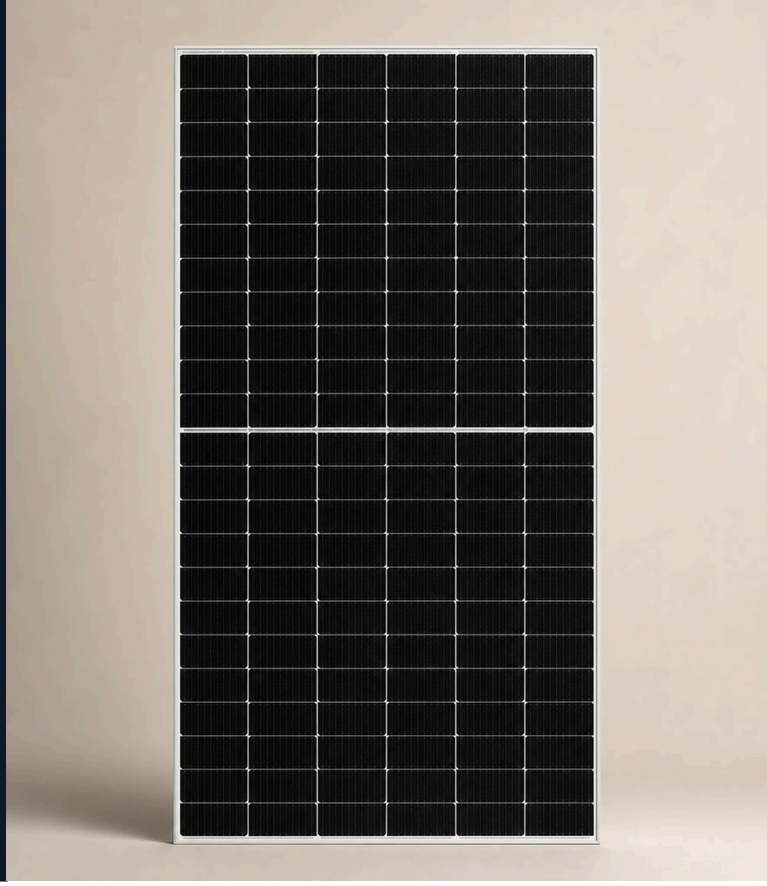
Equipment and solutions

EOS BS3 (3") Solar Submersible Pump

Product technical datasheet

3-inch solar submersible pumps for boreholes and wells.



FT-P086 · Rev. 1

The EOS BS3 range provides solar pumping for 3-inch boreholes. Suitable for water extraction in remote areas, these pumps operate directly from photovoltaic panels, delivering low operating costs and reliable performance. Their compact diameter allows installation in narrow.

Applications

- Water supply in remote or isolated areas
- Agricultural irrigation systems with solar energy
- Water extraction from boreholes, wells, rivers, or reservoirs
- Pumping systems where energy cost reduction is desired

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Solar Controller

EOS 36-48/500

Protection degree

IP54

MPPT Efficiency

99%

Ambient Temp.

-25°C to 65°C

Cooling

Diffuser plate

Applications

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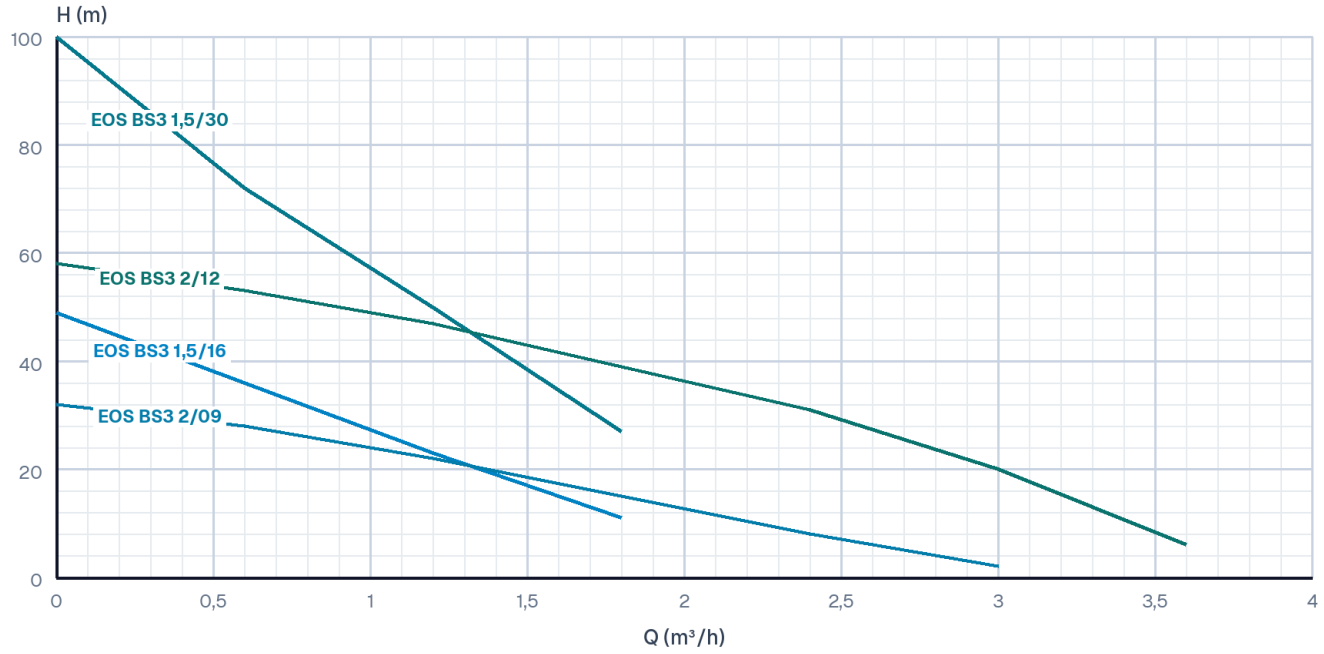
Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note Confirm the installation conditions, power supply and duty point before commissioning.

Performance Curve

Performance curves



Electrical data

Model	V / W	Solar Controller
EOS BS3 1,5/16	36 / 210	EOS 36-48/500
EOS BS3 2/09	36 / 210	EOS 36-48/500

Model	V / W	Solar Controller
EOS BS3 1,5/30	48 / 500	EOS 36-48/500
EOS BS3 2/12	48 / 500	EOS 36-48/500

Performance Curve

Hydraulic performance

Total head H in metres

Q · Flow (m³/h)

Model	0	0,6	1,2	1,8	2,4	3	3,6
EOS BS3 1,5/16	49	36	23	11	—	—	—
EOS BS3 2/09	32	28	22	15	8	2	—
EOS BS3 1,5/30	100	72	50	27	—	—	—
EOS BS3 2/12	58	53	47	39	31	20	6

Select the duty point at the intersection of Q and H.