

BISOL XL Series

Monocrystalline PV Modules / BXO 340-380 Wp



Designed & manufactured in EU



Strictly positive output power tolerances



PID free



All relevant certificates



Module presorting for higher profitability



Supremely low degradation



Module efficiency up to 19.5 %

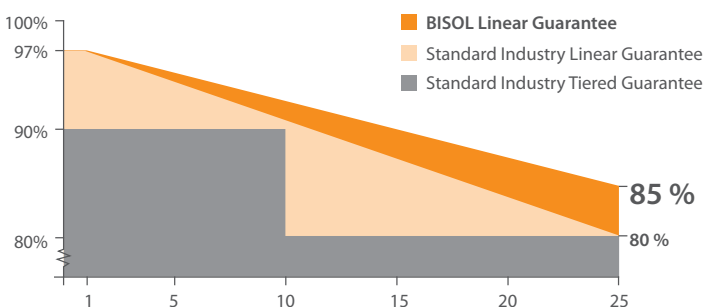


Up to 13 % higher real-life performance



Excellent low light performance

Guarantees:



Linear guarantee
85 % power output in 25th year



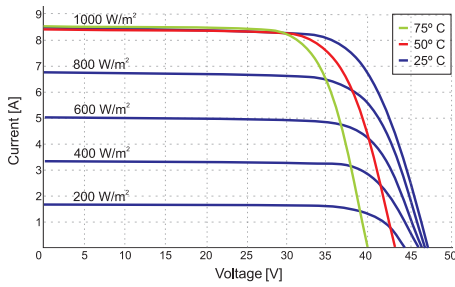
Product guarantee
15 years

In compliance with:

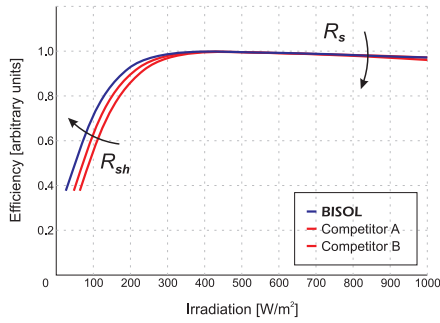


Certificates available upon special request. Additional charges may apply.

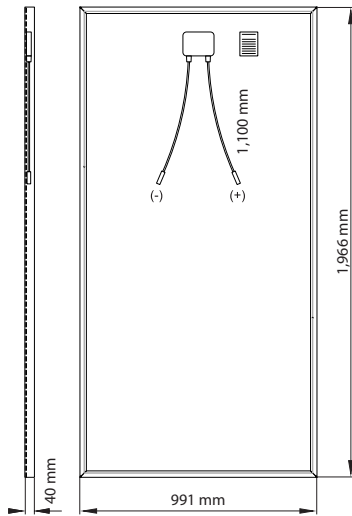
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



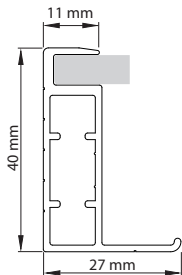
Effective Efficiency



Dimensions



Frame cross section



Electrical Specifications @ STC (AM1.5, 1,000 W/m², 25 °C):

Available Power Classes	BXO	340	345	350	355	360	365	370	380
Nominal Power	P_{MPP} [W]	340	345	350	355	360	365	370	380
Short Circuit Current	I_{SC} [A]	9.45	9.55	9.65	9.80	9.90	9.95	10.00	10.30
Open Circuit Voltage	V_{OC} [V]	48.0	48.1	48.2	48.4	48.5	48.8	48.9	49.1
MPP Current	I_{MPP} [A]	9.05	9.15	9.25	9.40	9.50	9.55	9.60	9.85
MPP Voltage	V_{MPP} [V]	37.6	37.7	37.8	37.8	37.9	38.2	38.5	38.6
Solar Cell Efficiency	η_C [%]	19.3	19.6	19.9	20.2	20.5	20.7	21.0	21.6
Module Efficiency	η_M [%]	17.5	17.7	18.0	18.2	18.5	18.7	19.0	19.5
Power Output Tolerance		0/+ 5 W							
Maximum Reverse Current		18 A							
Maximum System Voltage		1,000 V (Application Class A)							

Additional power classes available upon request. | Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. | Power measurement tolerance: ± 3 %.

Electrical Specifications @ NOCT (AM1.5, 800 W/m², 20 °C, wind: 1 m/s; Cell Temperature 44 °C):

Available Power Classes	BXO	340	345	350	355	360	365	370	380
Nominal Power	P_{MPP} [W]	252	256	259	263	267	270	274	281
Short Circuit Current	I_{SC} [A]	7.63	7.71	7.79	7.91	7.99	8.03	8.07	8.31
Open Circuit Voltage	V_{OC} [V]	45.0	45.1	45.2	45.4	45.5	45.8	45.9	46.1
MPP Current	I_{MPP} [A]	7.31	7.39	7.47	7.59	7.67	7.71	7.75	7.95
MPP Voltage	V_{MPP} [V]	34.5	34.6	34.7	34.7	34.8	35.1	35.4	35.4

Power measurement tolerance: ± 3 %.

Thermal Specifications:

Current Temperature Coefficient	α	+ 0.046 %/K
Voltage Temperature Coefficient	β	- 0.30 %/K
Power Temperature Coefficient	γ	- 0.39 %/K
NOCT		44 °C
Temperature range		- 40 °C to + 85 °C

Mechanical Specifications:

Length x Width x Thickness	1,966 mm x 991 mm x 40 mm
Weight	22 kg
Solar Cells	72 mono c-Si in series / 156 mm x 156 mm (6+)
Junction Box / Connectors	Three bypass diodes / MC4 compatible / IP 67
Frame	Anodized AL with drainage holes / rigid anchored corners
Glass	3.2 or 4 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
Certified Nominal Load (snow/wind)	5,400 Pa / 2,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

Tolerances of values are ± 5 %. Unspecified product properties remain under full discretion of BISOL.

Dealer information

www.bisol.com | www.bisol.co.uk



Solar company!

Additional terms & conditions apply. Please see *Standard Limited Guarantee* and *General Sales Terms and Conditions*.

© BISOL Group d.o.o. September 2019. All rights reserved. All information presented in this document is subject to change without prior notice and serve for informative purposes only.