

# Introducing BISOL XL Series

Meet our new 72-cell giant.

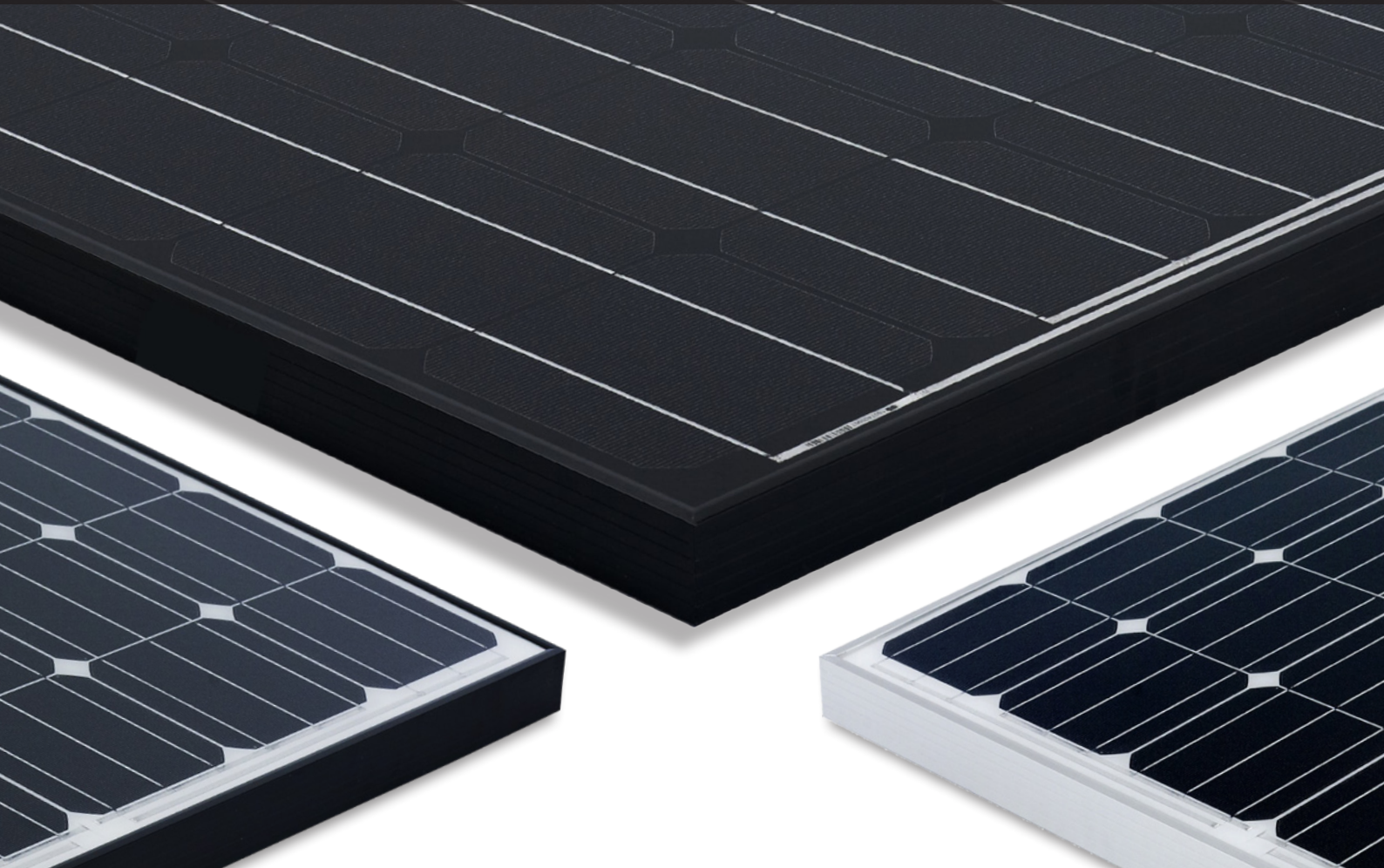


Solar company!



# BISOL XL Series

Monocrystalline PV Modules / BXO 310-330 Wp



Made in EU



Strictly positive power output tolerances



PID free



All relevant certificates



Module presorting for a more profitable investment



Extremely low degradation



Module efficiency up to 16.9%

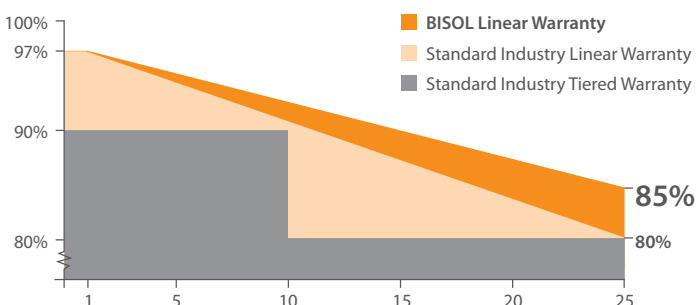


13% higher real-life performance



Excellent performance in low light conditions

## Warranties:



Linear warranty  
85% power output in 25<sup>th</sup> year

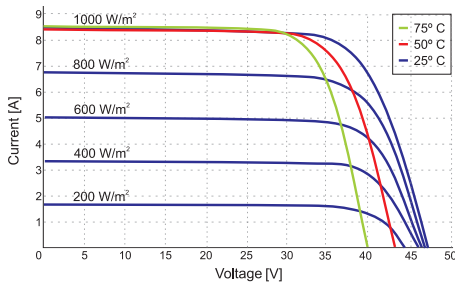


Product warranty  
10 years

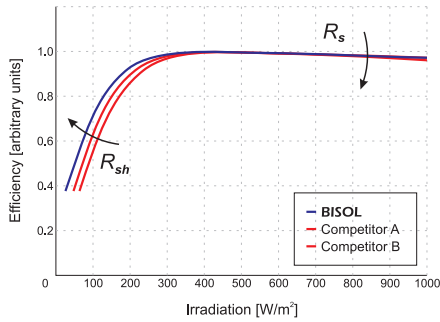
## Certificates:



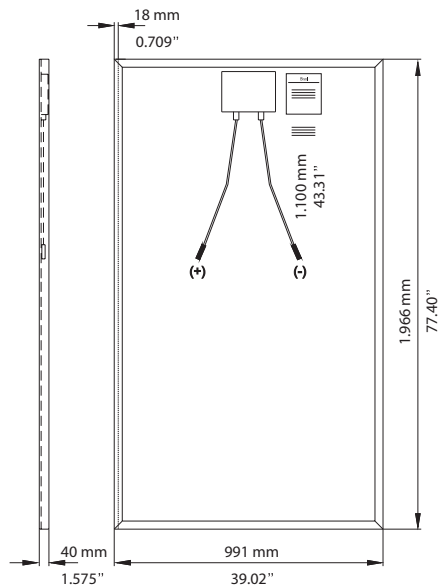
### I-V Curve at Various Irradiation Levels and Various Cell Temperatures



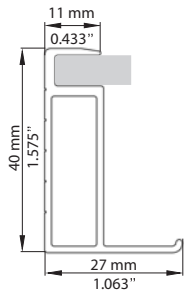
### Effective Efficiency



### Dimensions



### Frame cross section



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

Available Power Classes		BXO-310	BXO-315	BXO-320	BXO-325	BXO-330
Nominal Power	$P_{MPP}$ [W]	310	315	320	325	330
Short Circuit Current	$I_{SC}$ [A]	8.90	9.00	9.10	9.20	9.30
Open Circuit Voltage	$V_{OC}$ [V]	46.0	46.1	46.2	46.3	46.6
MPP Current	$I_{MPP}$ [A]	8.35	8.45	8.55	8.65	8.70
MPP Voltage	$V_{MPP}$ [V]	37.1	37.3	37.4	37.6	37.9
Solar Cell Efficiency	$\eta_C$ [%]	17.9	18.2	18.4	18.7	19.0
Module Efficiency	$\eta_M$ [%]	15.9	16.2	16.4	16.7	16.9
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 decreases to 98.8 % of efficiency at STC.

### Electrical Specifications @ NOCT (AM1.5, 800 W/m², Cell Temperature 44 °C):

Available Power Classes		BXO-310	BXO-315	BXO-320	BXO-325	BXO-330
Nominal Power	$P_{MPP}$ [W]	230	233	237	241	244
Short Circuit Current	$I_{SC}$ [A]	7.19	7.27	7.35	7.43	7.51
Open Circuit Voltage	$V_{OC}$ [V]	43.0	43.1	43.2	43.3	43.6
MPP Current	$I_{MPP}$ [A]	6.75	6.83	6.91	6.99	7.03
MPP Voltage	$V_{MPP}$ [V]	34.0	34.2	34.3	34.4	34.8

### Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 4.5 mA/°C
Voltage Temperature Coefficient	$\beta$	-158 mV/°C
Power Temperature Coefficient	$\gamma$	- 0.39 %/°C
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 (77.40" x 39.02" x 1.575")
Weight	22 kg (48.50 lbs)
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 tempered glass / high-transparency / low-iron content
Certified Nominal Load	5,400 Pa
Impact resistance	Hailstone / $\Phi$ 25 mm / 83 km/h (51 mph)

### Dealer Information

www.bisol.com

