

Introducing BISOL XL Series

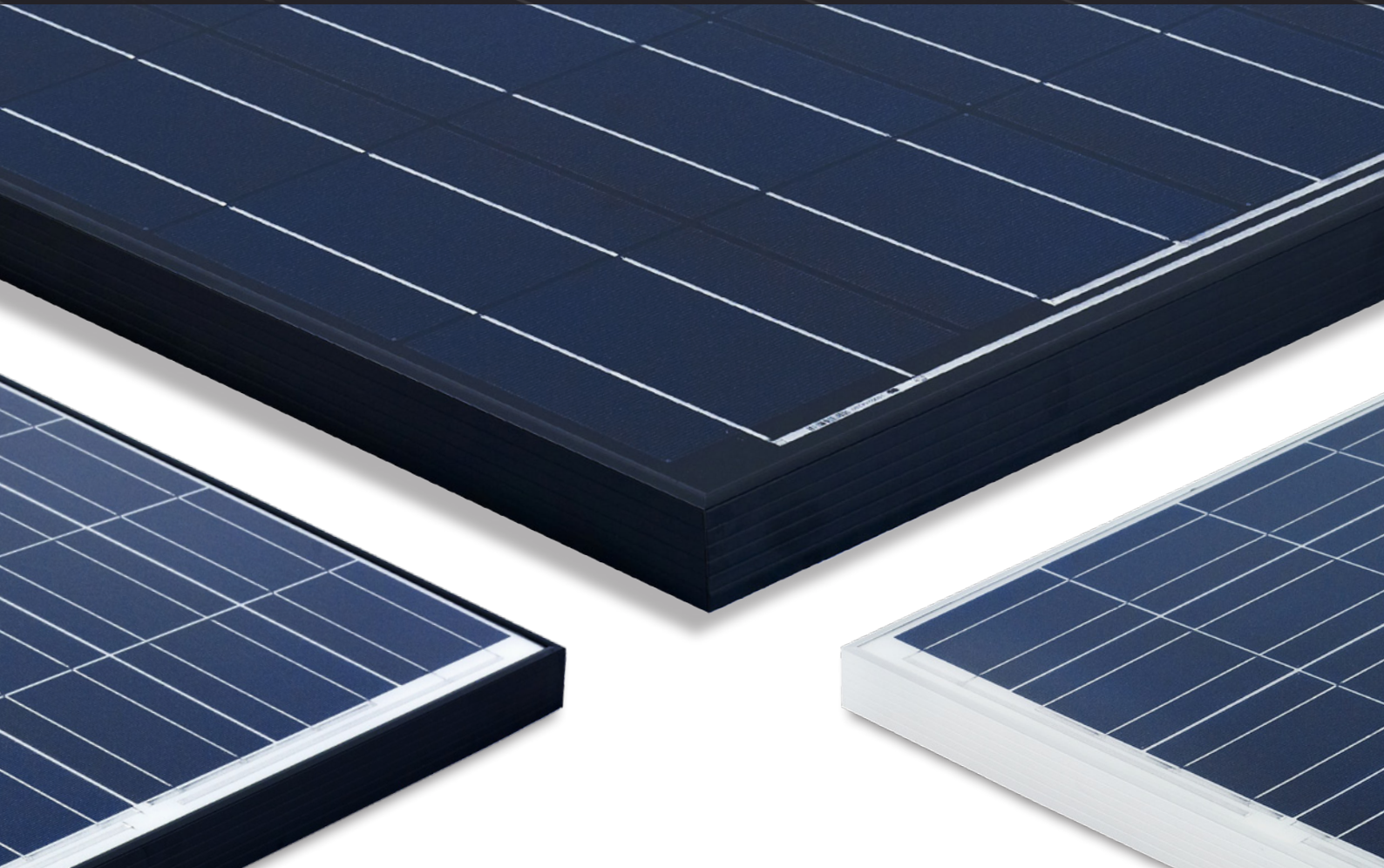
Meet our new 72-cell giant.



Solar company!

BISOL XL Series

Multicrystalline PV Modules / BXU 300-320 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 16.4%

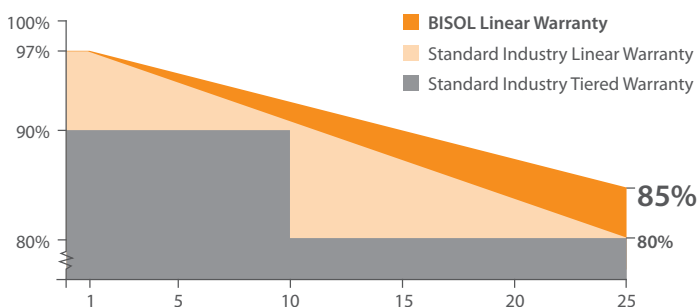


13% higher real-life performance



Excellent performance in low light conditions

Warranties:



Linear warranty
85% power output in 25th year

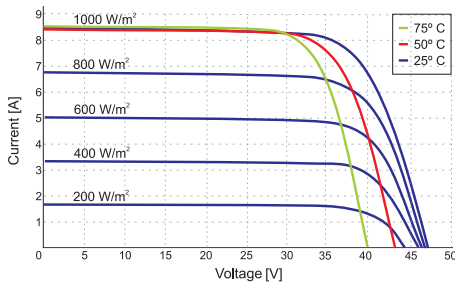


Product warranty
10 years

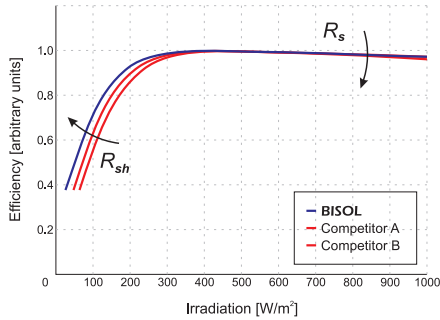
Certificates:



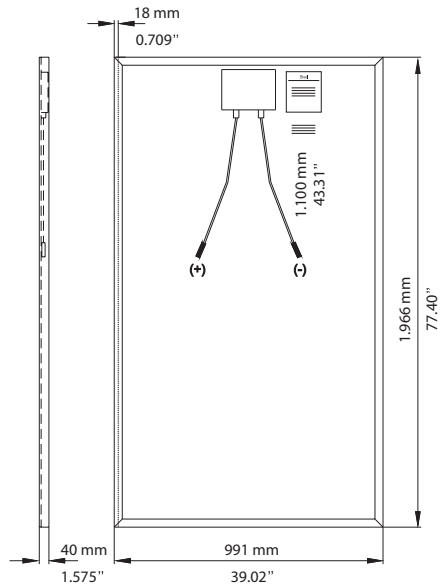
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



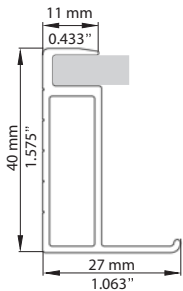
Effective Efficiency



Dimensions



Frame cross section



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

Available Power Classes		BXU-300	BXU-305	BXU-310	BXU-315	BXU-320
Nominal Power	P_{MPP} [W]	300	305	310	315	320
Short Circuit Current	I_{SC} [A]	8.75	8.80	8.85	8.90	9.05
Open Circuit Voltage	V_{OC} [V]	46.1	46.4	46.6	46.9	47.2
MPP Current	I_{MPP} [A]	8.25	8.30	8.40	8.50	8.55
MPP Voltage	V_{MPP} [V]	36.4	36.7	36.9	37.1	37.4
Solar Cell Efficiency	η_C [%]	17.4	17.7	18.0	18.3	18.6
Module Efficiency	η_M [%]	15.4	15.7	15.9	16.2	16.4
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 95.7 % of efficiency at STC.

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

Available Power Classes		BXU-300	BXU-305	BXU-310	BXU-315	BXU-320
Nominal Power	P_{MPP} [W]	224	228	232	235	239
Short Circuit Current	I_{SC} [A]	7.07	7.11	7.15	7.19	7.31
Open Circuit Voltage	V_{OC} [V]	43.4	43.6	43.9	44.1	44.4
MPP Current	I_{MPP} [A]	6.67	6.71	6.79	6.87	6.91
MPP Voltage	V_{MPP} [V]	33.6	33.9	34.1	34.2	34.6

Thermal Specifications:

Current Temperature Coefficient	α	+ 4.9 mA/°C
Voltage Temperature Coefficient	β	- 145 mV/°C
Power Temperature Coefficient	γ	- 0.35 %/°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 multi 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 / Φ 25 mm / 83 km/h (51 mph)

Dealer Information

www.bisol.com

