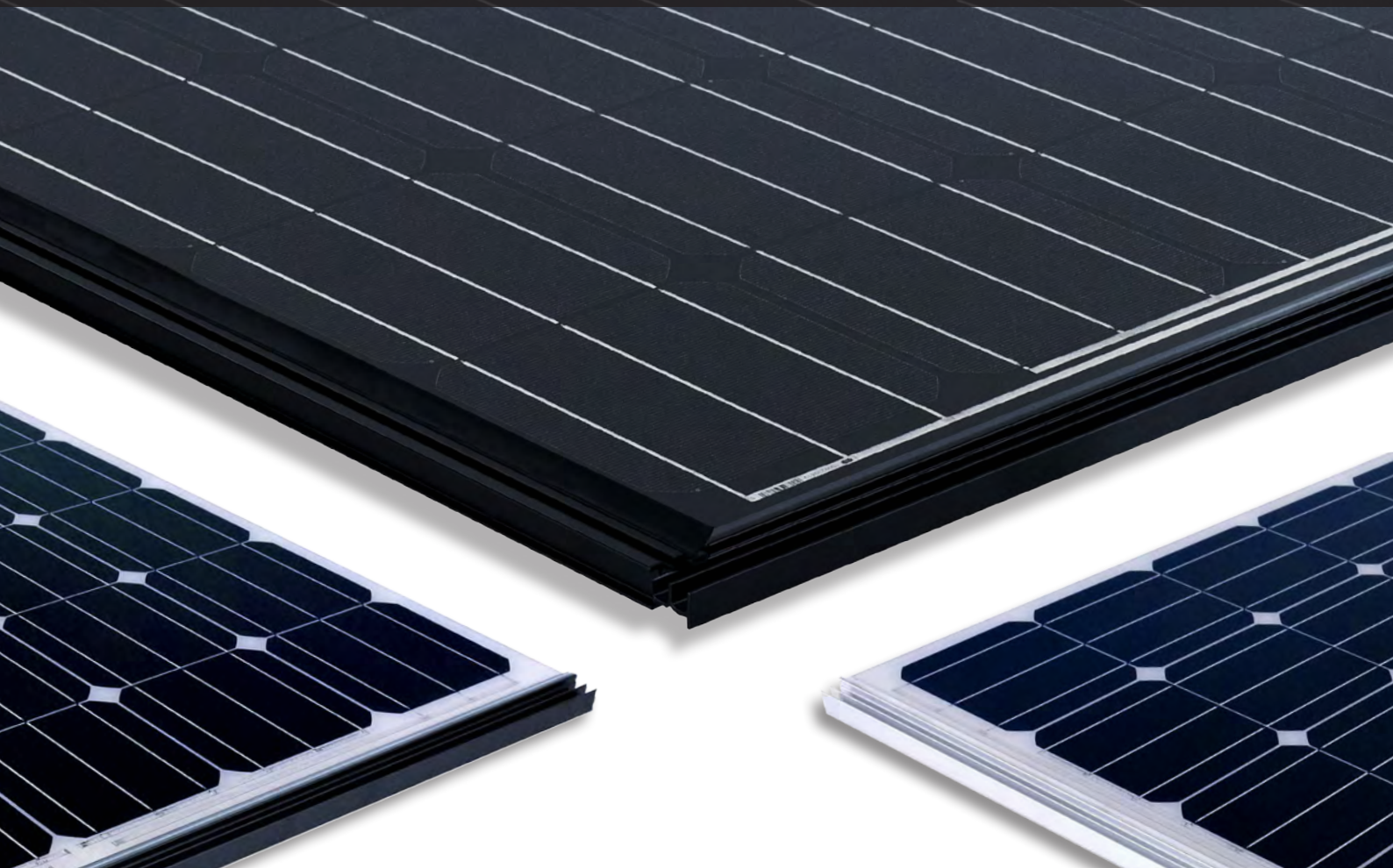


BISOL BIPV Series

Monocrystalline Roof Integrated PV Modules / BSO 250-275 Wp



Made in EU



Replaces conventional roof tiles



Strictly positive power output tolerances



PID free



Module presorting for a more profitable investment



Extremely low degradation



Module efficiency up to 16.8%

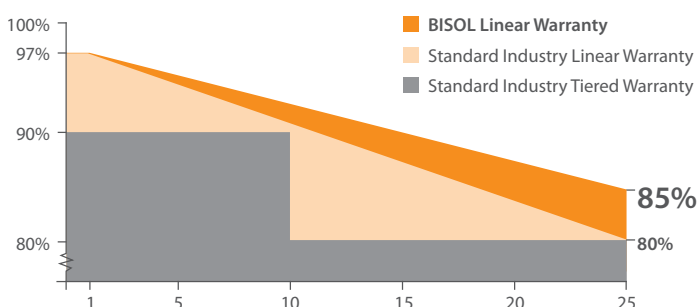


13% higher real-life performance



Excellent performance in low light conditions

Warranties:



Linear warranty 85% power output in 25th year

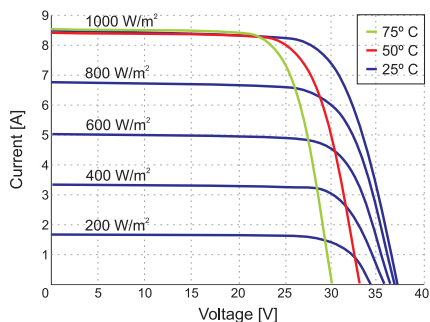


Product warranty 10 years

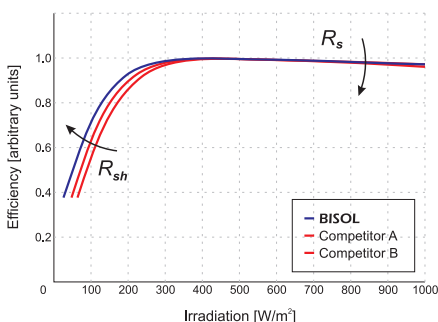
Certificates:



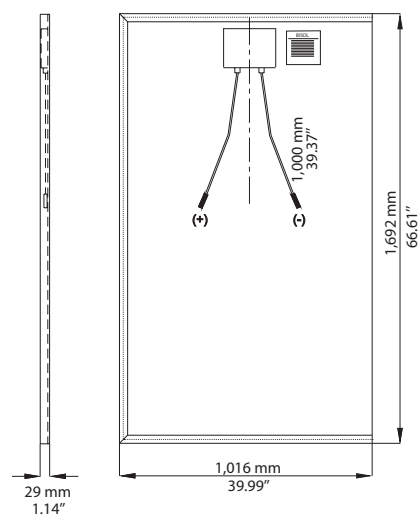
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



Effective Efficiency



Dimensions



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

Module Type		BSO-250	BSO-255	BSO-260	BSO-265	BSO-270	BSO-275
Nominal Power	P_{MPP} [W]	250	255	260	265	270	275
Short Circuit Current	I_{SC} [A]	8.80	8.90	9.00	9.10	9.20	9.30
Open Circuit Voltage	V_{OC} [V]	37.9	38.1	38.3	38.5	38.6	38.8
MPP Current	I_{MPP} [A]	8.20	8.30	8.40	8.50	8.60	8.70
MPP Voltage	V_{MPP} [V]	30.5	30.7	31.0	31.2	31.4	31.6
Solar Cell Efficiency	η_C [%]	17.4	17.8	18.1	18.5	18.8	19.2
Module Efficiency	η_M [%]	15.3	15.6	15.9	16.2	16.5	16.8
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):

Module Type		BSO-250	BSO-255	BSO-260	BSO-265	BSO-270	BSO-275
Nominal Power	P_{MPP} [W]	185	188	192	196	200	203
Short Circuit Current	I_{SC} [A]	7.12	7.20	7.28	7.36	7.45	7.53
Open Circuit Voltage	V_{OC} [V]	34.6	34.8	34.9	35.1	35.3	35.4
MPP Current	I_{MPP} [A]	6.64	6.72	6.80	6.88	6.94	7.05
MPP Voltage	V_{MPP} [V]	27.8	28.0	28.3	28.5	28.7	28.9

Thermal Specifications:

Current Temperature Coefficient	α	+ 4.5 mA/°C
Voltage Temperature Coefficient	β	- 132 mV/°C
Power Temperature Coefficient	γ	- 0.39 %/°C
NOCT		44 °C
Temperature range		- 40 °C to + 85 °C

Mechanical Specifications:

Length x Width x Thickness	1,692 mm x 1,016 mm x 29 mm (66.61" x 39.99" x 1.14")
Weight	18.4 kg (40.57 lbs)
Solar Cells	60 mono c-Si in series / 156 mm x 156 mm (6+)"
Junction Box / Connectors	Three bypass diodes / MC4 compatible / IP 67
Frame	Solrif®
Glass	3.2 mm tempered solar or anti-reflective glass / high-transparency / low-iron content
Packaging	24 modules per pallet / stackable 2 pallets high
Certified Nominal Load	2,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

Dealer Information

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

