

BISOL BIPV Series

Monocrystalline Roof Integrated PV Modules / BSO 315-330 Wp



Designed & Manufactured in EU



Replaces conventional roof tiles



PID free



All relevant certificates



Module presorting for higher profitability



Supremely low degradation



Module efficiency up to 20.2 %

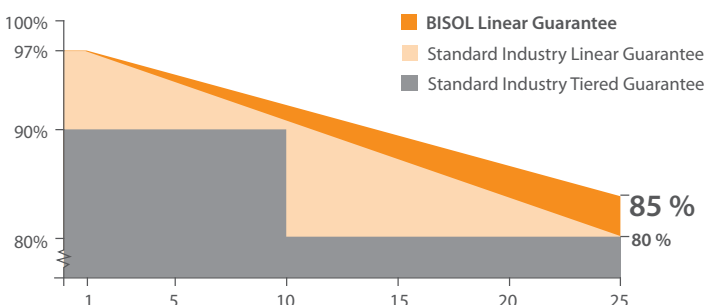


Up to 13 % higher real-life performance



Excellent low light performance

Guarantees:



Linear guarantee 85% power output in 25th year



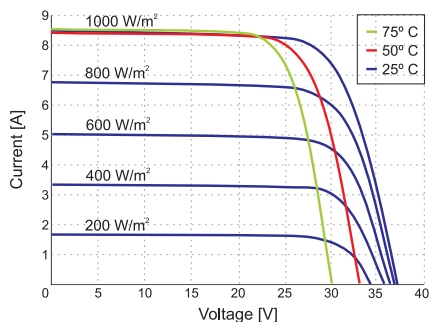
Product guarantee 15 years

In compliance with:

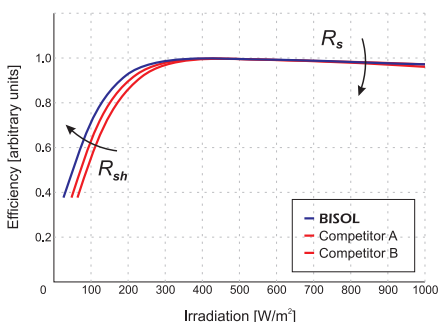


Certificates available upon special request. Additional charges may apply.

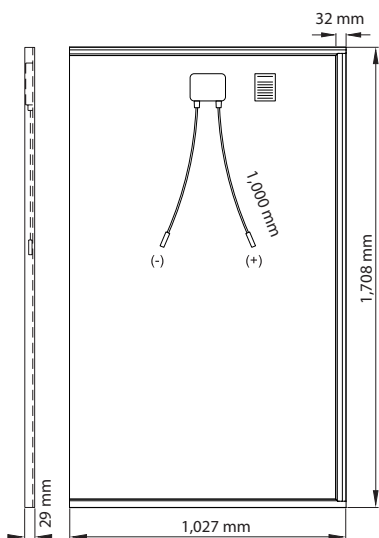
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



Effective Efficiency



Dimensions



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

Module Type	BSO	315	320	325	330
Nominal Power	P_{MPP} [W]	315	320	325	330
Short Circuit Current	I_{SC} [A]	9.80	9.80	9.90	9.95
Open Circuit Voltage	V_{OC} [V]	42.5	42.6	42.7	42.9
MPP Current	I_{MPP} [A]	9.05	9.15	9.25	9.35
MPP Voltage	V_{MPP} [V]	34.8	35.0	35.1	35.3
Solar Cell Efficiency	η_c [%]	21.5	21.2	21.5	21.8
Module Efficiency	η_M [%]	19.3	19.6	19.9	20.2
Power Output Tolerance		±3 %			
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):

Module Type	BSO	315	320	325	330
Nominal Power	P_{MPP} [W]	234	238	242	245
Short Circuit Current	I_{SC} [A]	7.93	7.93	8.01	8.05
Open Circuit Voltage	V_{OC} [V]	40.1	40.2	40.3	40.5
MPP Current	I_{MPP} [A]	7.32	7.40	7.48	7.57
MPP Voltage	V_{MPP} [V]	32.0	32.1	32.3	32.4

Power measurement tolerance: ±3 %.

Thermal Specifications:

Current Temperature Coefficient	α	+ 0.060 %/K
Voltage Temperature Coefficient	β	- 0.30 %/K
Power Temperature Coefficient	γ	- 0.37 %/K
NOCT		44 °C
Temperature range		- 40 °C to + 85 °C

Mechanical Specifications:

Length x Width x Thickness	1,708 mm x 1,027 mm x 29 mm
Weight	18.8 kg
Junction Box / Connectors	Three bypass diodes / MC4 compatible / IP 67
Frame	Solrif®
Glass	3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
Packaging	24 modules per pallet / stackable 2 pallets high
Certified Nominal Load (snow/wind)	2,400 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



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

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