

BISOL Spectrum Series with Coloured Glass

Monocrystalline PV Modules with Red Glass / BMO 270 Wp



Designed & manufactured in EU



Module presorting for higher profitability



Double insulation



PID free

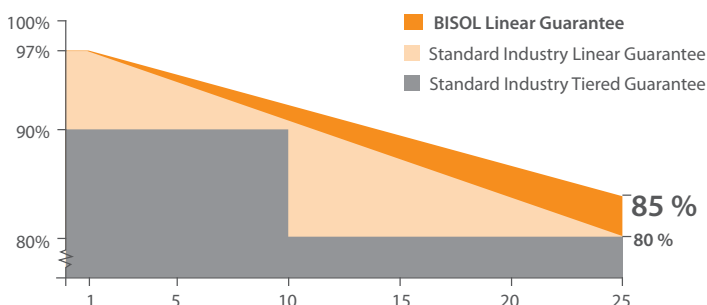


A perfect colour match to your red roof



Excellent low light performance

Garantees:



Linear guarantee 85% power output in 25th year



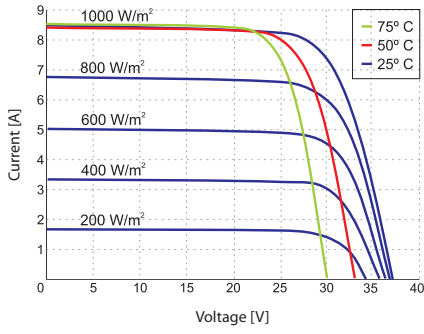
Product guarantee 15 years

In compliance with:

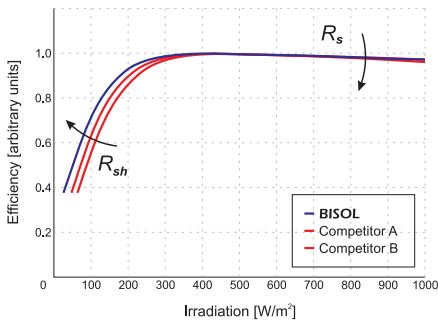


Certificates available upon special request. Additional charges may apply.

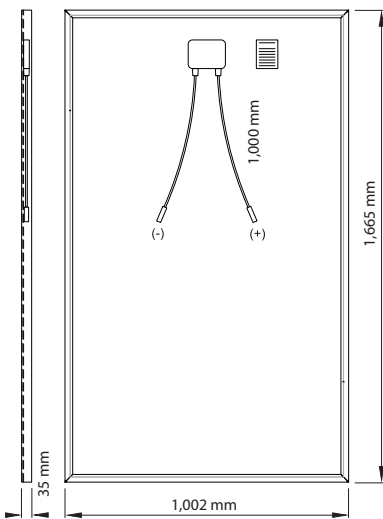
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



Effective Efficiency



Dimensions of module type BMO



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

Module Type	BMO	270
Nominal Power	P_{MPP} [W]	270
Short Circuit Current	I_{SC} [A]	8.10
Open Circuit Voltage	V_{OC} [V]	37.6
MPP Current	I_{MPP} [A]	7.60
MPP Voltage	V_{MPP} [V]	35.5
Solar Cell Efficiency	η_c [%]	17.9
Module Efficiency	η_M [%]	16.5
Power Output Tolerance		±3 %
Maximum Reverse Current		18 A
Maximum System Voltage		1,000 V (Application Class A)

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	BMO	270
Nominal Power	P_{MPP} [W]	200
Short Circuit Current	I_{SC} [A]	6.54
Open Circuit Voltage	V_{OC} [V]	34.60
MPP Current	I_{MPP} [A]	6.12
MPP Voltage	V_{MPP} [V]	32.7

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	1,665 mm x 1,002 mm x 35 mm
Weight	18.7 kg
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	Anodized Al with drainage holes / rigid anchored corners
Frame Colour	Red frame, RAL8017
Back Sheet Colour	Black
Glass	3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
Packaging	30 modules per pallet / stackable 3 pallets high
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.



Solar company!

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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