

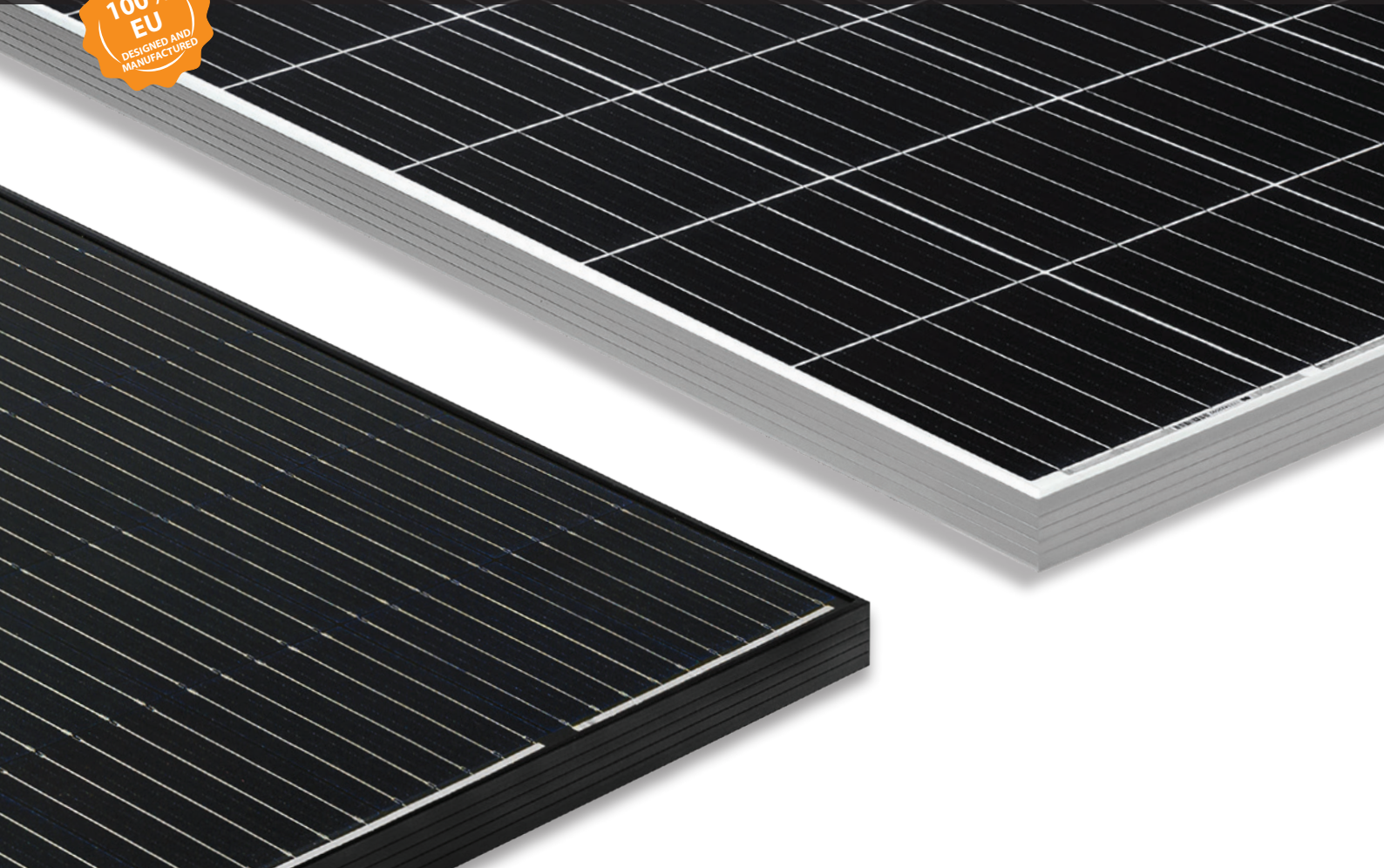
PREMIUM

# BISOL Premium

Monocrystalline PV Modules / BMO 315-335 Wp



Solar company!



Designed & manufactured in EU



Strictly positive output power tolerances



PID free



All relevant certificates



Module presorting for higher profitability



Supremely low degradation



Module efficiency up to 20.5 %

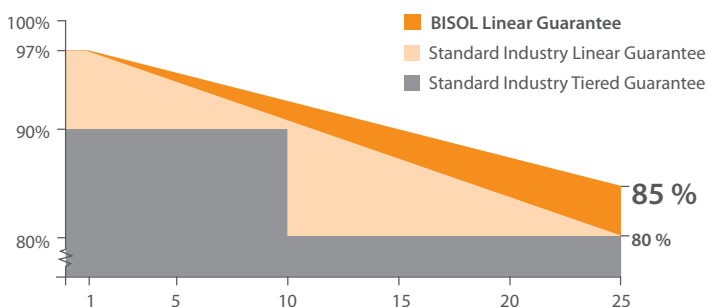


Up to 13 % higher real-life performance



Excellent low light performance

## Guarantees:



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



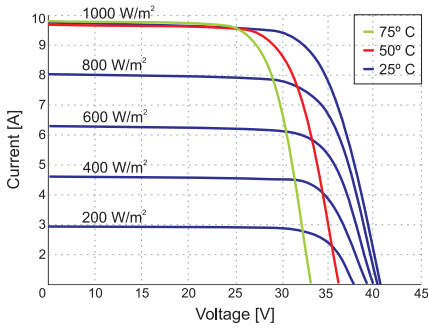
Product guarantee 15 years

## In compliance with:

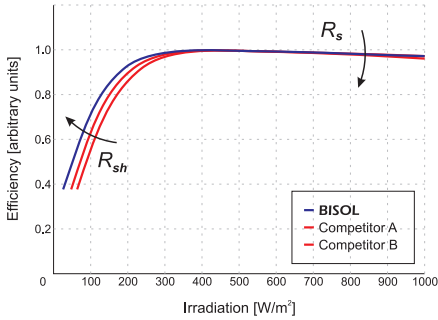


Certificates available upon special request. Additional charges may apply.

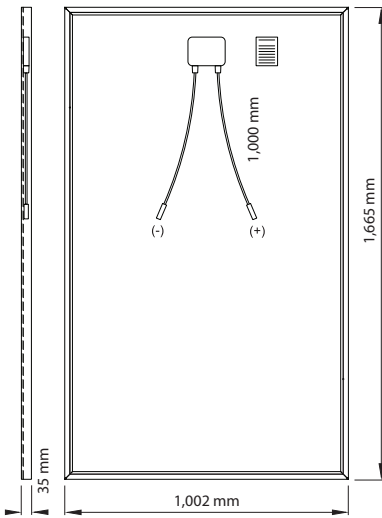
### I-V Curve at Various Irradiation Levels and Various Cell Temperatures



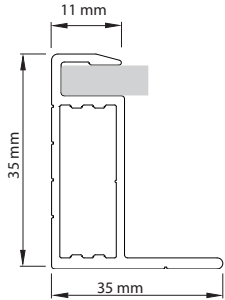
### Effective Efficiency



### Dimensions



### Frame cross section



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

Module Type	BMO	315	320	325	330	335
Nominal Power	$P_{MPP}$ [W]	315	320	325	330	335
Short Circuit Current	$I_{SC}$ [A]	9.80	9.80	9.90	9.95	10.05
Open Circuit Voltage	$V_{OC}$ [V]	42.5	42.6	42.7	42.9	43.0
MPP Current	$I_{MPP}$ [A]	9.05	9.15	9.25	9.35	9.45
MPP Voltage	$V_{MPP}$ [V]	34.8	35.0	35.1	35.3	35.4
Solar Cell Efficiency	$\eta_C$ [%]	21.5	21.2	21.5	21.8	22.2
Module Efficiency	$\eta_M$ [%]	18.9	19.2	19.5	19.8	20.5
Power Output Tolerance		+ 5/- 0 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: 99.3 % of STC efficiency or higher. | Power measurement tolerance:  $\pm 3$  %.

### Electrical Specifications @ NOCT (AM1.5, 800 W/m², 20 °C, wind: 1 m/s; Cell Temperature 44 °C):

Module Type	BMO	315	320	325	330	335
Nominal Power	$P_{MPP}$ [W]	234	238	242	245	249
Short Circuit Current	$I_{SC}$ [A]	7.93	7.93	8.01	8.05	8.13
Open Circuit Voltage	$V_{OC}$ [V]	40.1	40.2	40.3	40.5	40.6
MPP Current	$I_{MPP}$ [A]	7.32	7.40	7.48	7.57	7.65
MPP Voltage	$V_{MPP}$ [V]	32.0	32.1	32.3	32.4	32.6

Power measurement tolerance:  $\pm 3$  %.

### Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 0.060 %/K
Voltage Temperature Coefficient	$\beta$	- 0.30 %/K
Power Temperature Coefficient	$\gamma$	- 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	18.8 kg
Solar Cells	60 mono c-Si in series / 158.75 mm x 158.75 mm
Junction Box / Connectors	Three bypass diodes / MC4 compatible / IP 68
Frame	Anodized Al with drainage holes / rigid anchored corners
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 / $\Phi$ 25 mm / 83 km/h (51 mph)

Tolerances of values are  $\pm 5$  %. Unspecified product properties remain under full discretion of BISOL.

### Dealer information

[www.bisol.com](http://www.bisol.com)



Solar company!

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

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