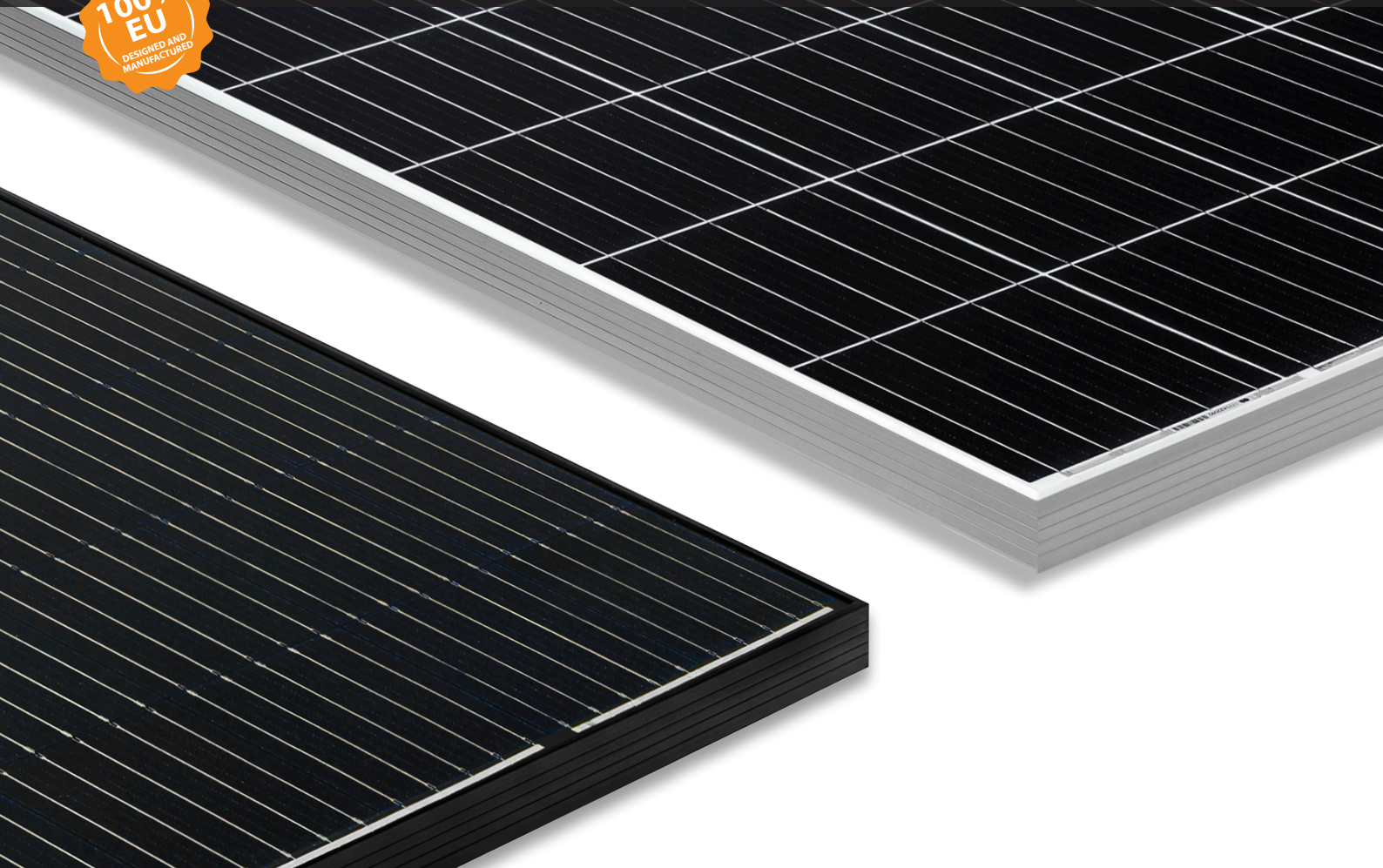


# BISOL Premium Series

Monocrystalline Full-Square PV Modules / BMO 320-330 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 20.2 %

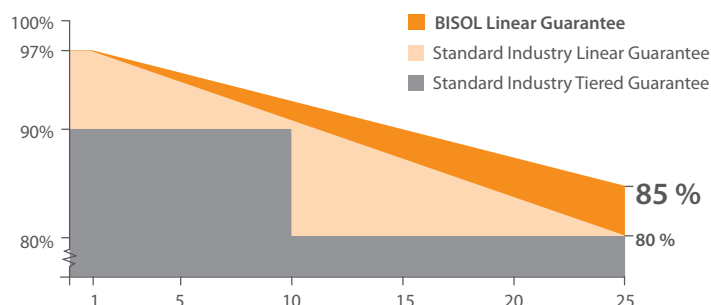


Up to 13 % higher real-life performance



Excellent low light performance

## Guarantees:



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



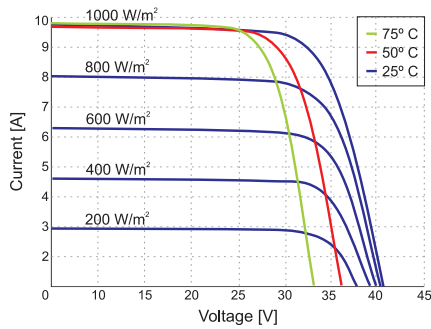
Product guarantee  
15 years

## In compliance with:

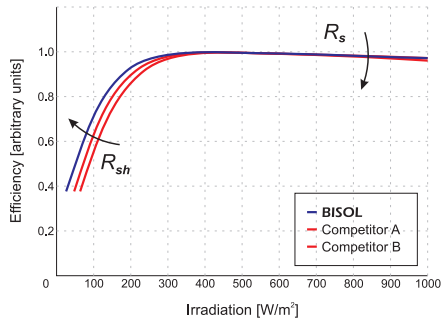


Certificates available upon special request. Additional charges may apply.

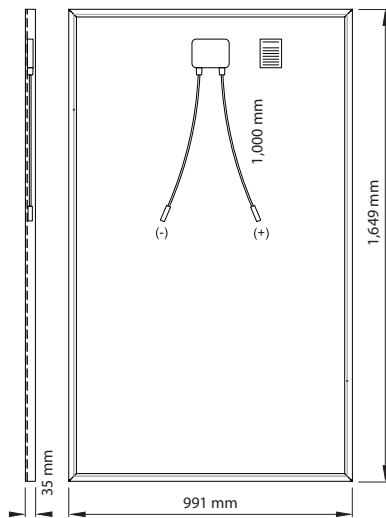
### I-V Curve at Various Irradiation Levels and Various Cell Temperatures



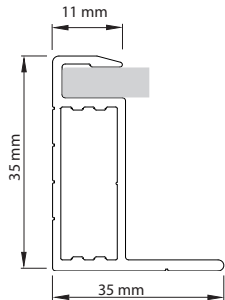
### Effective Efficiency



### Dimensions



### Frame cross section



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

Module Type	BMO	320	325	330
Nominal Power	$P_{MPP}$ [W]	320	325	330
Short Circuit Current	$I_{SC}$ [A]	9.80	9.90	9.95
Open Circuit Voltage	$V_{OC}$ [V]	42.6	42.7	42.9
MPP Current	$I_{MPP}$ [A]	9.15	9.25	9.35
MPP Voltage	$V_{MPP}$ [V]	35.0	35.1	35.3
Solar Cell Efficiency	$\eta_C$ [%]	21.2	21.5	21.8
Module Efficiency	$\eta_M$ [%]	19.6	19.9	20.2
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: 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	320	325	330
Nominal Power	$P_{MPP}$ [W]	237	241	244
Short Circuit Current	$I_{SC}$ [A]	7,91	7,99	8,03
Open Circuit Voltage	$V_{OC}$ [V]	39,2	39,3	39,4
MPP Current	$I_{MPP}$ [A]	7,37	7,45	7,53
MPP Voltage	$V_{MPP}$ [V]	32,2	32,3	32,5

Power measurement tolerance:  $\pm 3$  %.

### Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 0.046 %/K
Voltage Temperature Coefficient	$\beta$	- 0.30 %/K
Power Temperature Coefficient	$\gamma$	- 0.39 %/K
NOCT		44 °C
Temperature range		- 40 °C to +85 °C

### Mechanical Specifications:

Length x Width x Thickness	1,649 mm x 991 mm x 35 mm
Weight	18.3 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 67
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) | [www.bisol.co.uk](http://www.bisol.co.uk)



Solar company!

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

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