

# BISOL Premium Series

Monocrystalline PV Modules / BMO 300 Wp



Made in EU



Anti-reflective glass



PID free



All relevant certificates



Module presorting for higher profitability



Supremely low degradation



Module efficiency up to 18.4 %

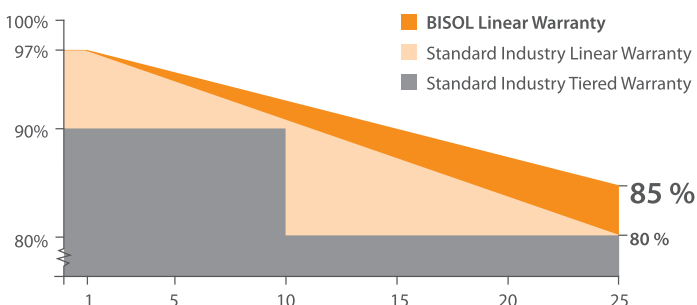


Up to 13 % higher real-life performance



Excellent low light performance

## Warranties:



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



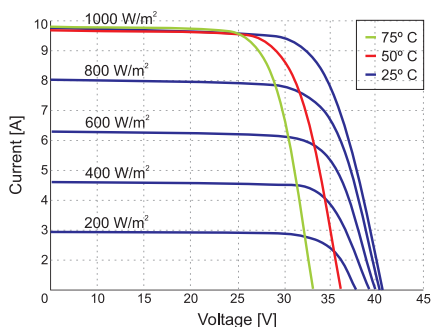
Product warranty 10 years

## In compliance with:

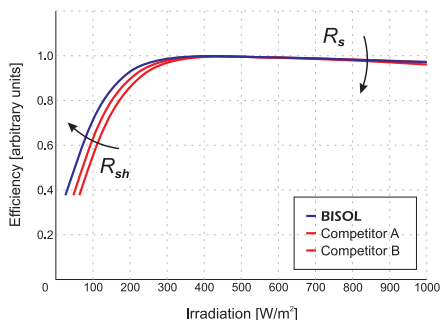


\* Certificates available upon special request. Additional charges may apply.

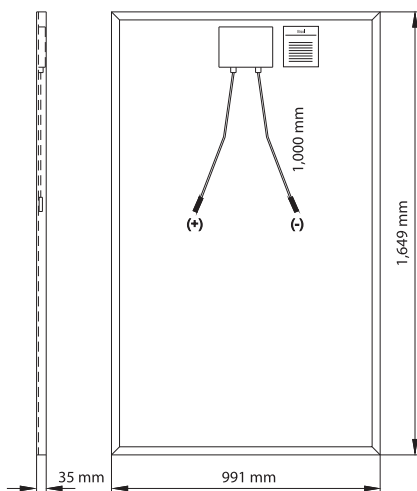
### I-V Curve at Various Irradiation Levels and Various Cell Temperatures



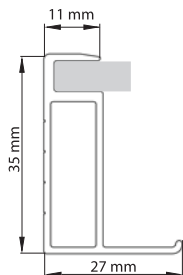
### Effective Efficiency



### Dimensions



### Frame cross section



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

Module Type	BMO-300	
Nominal Power	$P_{MPP}$ [W]	300
Short Circuit Current	$I_{SC}$ [A]	9.90
Open Circuit Voltage	$V_{OC}$ [V]	40.4
MPP Current	$I_{MPP}$ [A]	9.50
MPP Voltage	$V_{MPP}$ [V]	31.6
Solar Cell Efficiency	$\eta_c$ [%]	20.9
Module Efficiency	$\eta_M$ [%]	18.4
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-300	
Nominal Power	$P_{MPP}$ [W]	222
Short Circuit Current	$I_{SC}$ [A]	8.01
Open Circuit Voltage	$V_{OC}$ [V]	36.9
MPP Current	$I_{MPP}$ [A]	7.69
MPP Voltage	$V_{MPP}$ [V]	28.8

Power measurement tolerance: +/- 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 / 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
Glass	3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
Packaging	28 modules per pallet / stackable 3 pallets high
Certified Nominal Load	5,400 Pa
Impact resistance	Hailstone / $\Phi$ 25 mm / 83 km/h (51 mph)

All unspecified tolerances 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)



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

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