



# BISOL BMO-245 Wp Monocrystalline PV module



MADE IN EUROPE



10-YEAR PRODUCT WARRANTY



MODULE PRESORTING FOR A MORE PROFITABLE INVESTMENT



STRICTLY POSITIVE POWER OUTPUT TOLERANCES

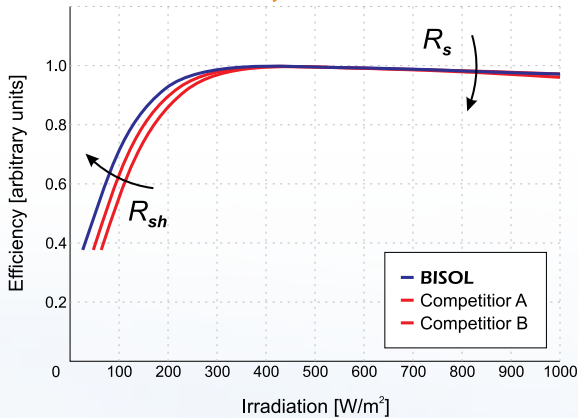


LIGHTWEIGHT



ALL RELEVANT CERTIFICATES

## Effective Efficiency



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

Module Type		BMO/245
Maximum Power	$P_{MPP}$ [W]	245
Short Circuit Current	$I_{SC}$ [A]	8.70
Open Circuit Voltage	$V_{OC}$ [V]	37.8
MPP Current	$I_{MPP}$ [A]	8.10
MPP Voltage	$V_{MPP}$ [V]	30.2
Solar Cell Efficiency	$\eta_C$ [%]	16.8
Module Efficiency	$\eta_M$ [%]	15.0

Additional power classes available upon request.  
Efficiency of modules at low irradiation (200 W/m²) decreases to 95.7% of efficiency at STC.

## Electrical Specifications:

Solar Cell Type	Monocrystalline Silicon
Solar Cell Dimensions	156 mm x 156 mm (6+")
Number of Cells	60 in series
Power Output Tolerance	0/+6 W
Current Temperature Coefficient $\alpha$	+ 2.9 mA/°C
Voltage Temperature Coefficient $\beta$	- 91.8 mV/°C
Power Temperature Coefficient $\gamma$	- 0.37%/°C
Maximum System Voltage	1,000 V (IEC 61215)
NOCT	44 °C
Maximum Reverse Current	13 A

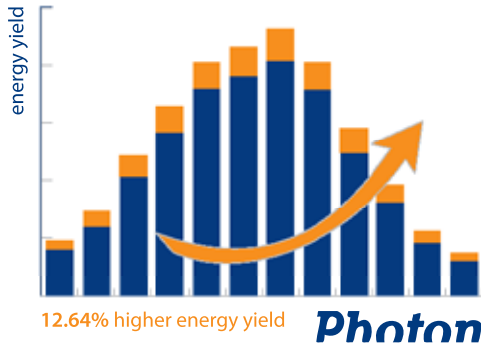
## Mechanical Specifications:

Length x Width x Depth	1,649 mm x 991 mm x 40 mm (64.92"x 39.02" x 1.575")
Weight	18.5 kg (40.79 lbs)
Junction Box, Connectors	Tyco (IP 65) with three bypass diodes





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### EXCELLENT ENERGY YIELD

Numerous satisfied owners and the German Photon module energy yield test have confirmed an up to 12.64% higher energy yield of PV power plants installed with **BISOL** modules.

- ▶ Higher returns on investment
- ▶ Excellent energy yield in low and high irradiation areas
- ▶ Strictly positive tolerances
- ▶ Module presorting for an up to 70% decrease in energy losses



### STRICTLY THE BEST MATERIALS

**BISOL** PV modules are composed of carefully selected best quality materials available on the market. Thoughtfully designed and vigorously tested to successfully withstand the most rigorous weather conditions, they will continue to provide efficient energy production for generations to come.

- ▶ Longer life span
- ▶ Extremely low degradation (0.5% in 20 years according to the TÜV test)
- ▶ Great heat dissipation
- ▶ Negligible EVA foil yellowing for maximum light absorbance



### AESTHETIC DESIGN

The **BISOL** full-black PV module series is known for the extremely aesthetic appearance which complements the visual standards of any home. The full-black series is especially appreciated by the domestic market demanding highly efficient, smarter and more elegant solutions for smaller scale PV power systems.

[www.bisol.co.uk](http://www.bisol.co.uk)

#### Warranties:

- 10-year product warranty
- 12-year warranty on 90% power output
- 25-year warranty on 80% power output

#### Dealer information:



Inergy UK Ltd  
Inergy House,  
15 Goodwood Way, Chippenham,  
Wiltshire, SN14 0SX, UK  
T: +44 (0)1249 654142  
M: +44 (0)7425 156138  
E: sales@inergyuk.com  
W: www.inergyuk.com

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