
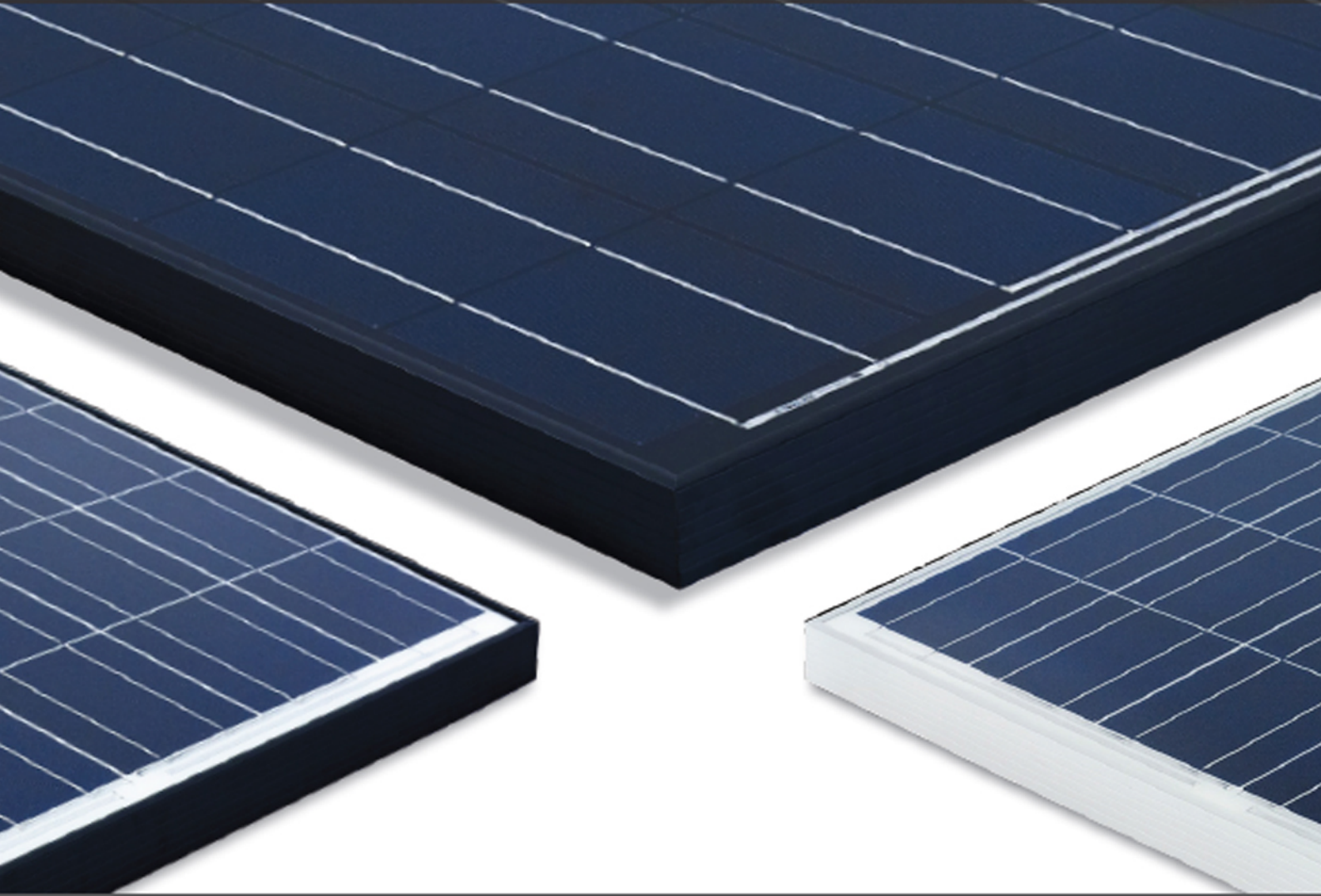


# Premium Series

Monocrystalline PV Modules / BMO 250-270Wp

**SAT CONTROL**

Want to get more? 



Made in EU



Strictly positive power output tolerances



Lightweight - 18.5 kg



All relevant certificates



Module presorting for a more profitable investment



Extremely low degradation



Module efficiency up to 16.2%



13% higher real-life performance v standard



Excellent performance in low light conditions

## Certificates:



AS5033 compliant



10-year product warranty

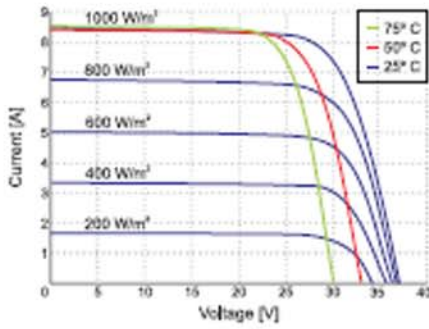


12 years on 90% power output

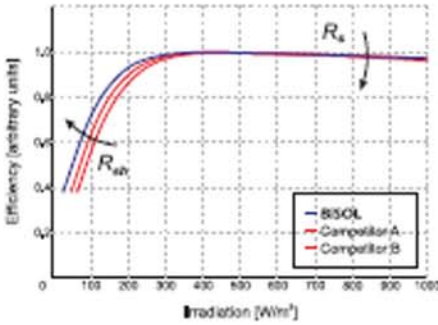


25 years on 80% power output

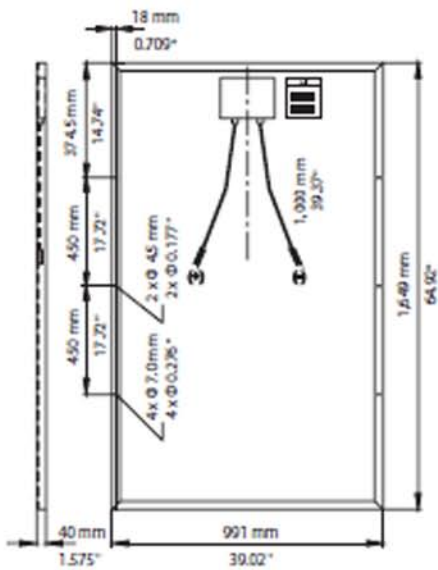
### I-V Curve at Various Irradiation Levels and Various Cell Temperatures



### Effective Efficiency



### Dimensions



### Frame cross section



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

Module Type		BMO-250	BMO-255	BMO-260	BMO-265	BMO-270
Nominal Power	$P_{MPP}$ [W]	250	255	260	265	270
Short Circuit Current	$I_{SC}$ [A]	8.80	8.90	9.00	9.10	9.20
Open Circuit Voltage	$V_{OC}$ [V]	37.9	38.1	38.3	38.5	38.6
MPP Current	$I_{MPP}$ [A]	8.20	8.30	8.40	8.50	8.60
MPP Voltage	$V_{MPP}$ [V]	30.5	30.7	31.0	31.2	31.5
Solar Cell Efficiency	$\eta_c$ [%]	17.4	17.8	18.1	18.5	18.8
Module Efficiency	$\eta_M$ [%]	15.3	15.6	15.9	16.2	16.5
Power Output Tolerance		0/+5 W				
Maximum Reverse Current		13 A				
Maximum System Voltage		1,000 V (Application Class A)				

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

### Electrical Specifications @ NOCT (AM1.5, 800 W/m², Cell Temperature 44 °C):

Module Type		BMO-250	BMO-255	BMO-260	BMO-265	BMO-270
Nominal Power	$P_{MPP}$ [W]	185	188	192	196	200
Short Circuit Current	$I_{SC}$ [A]	7.12	7.20	7.28	7.36	7.45
Open Circuit Voltage	$V_{OC}$ [V]	34.6	34.8	34.9	35.1	35.2
MPP Current	$I_{MPP}$ [A]	6.64	6.72	6.80	6.88	6.94
MPP Voltage	$V_{MPP}$ [V]	27.8	28.0	28.3	28.5	28.8

### Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 4.5 mA/°C
Voltage Temperature Coefficient	$\beta$	- 132 mV/°C
Power Temperature Coefficient	$\gamma$	- 0.35 %/°C
NOCT		44 °C
Temperature range		-40 °C to +85 °C

### Mechanical Specifications:

Length x Width x Thickness	1,649 mm x 991 mm x 40 mm (64.92" x 39.02" x 1.575")
Weight	18.5 kg (40.79 lbs)
Solar Cells	60 mono c-Si in series / 156 mm x 156 mm (6+)
Junction Box / Connectors	TE Connectivity with three bypass diodes - IP67 / PV4 (MC4 compatible) - IP68
Frame	Anodized AL with drainage holes / rigid anchored corners
Glass	3.2 mm tempered glass / high-transparency / low-iron content
Packaging	16 or 25 modules per pallet / stackable 3 pallets high
Certified Nominal Load	5,400 Pa
Impact resistance	Hailstone / $\Phi$ 25 mm / 83 km/h (51 mph)

### Dealer Information

