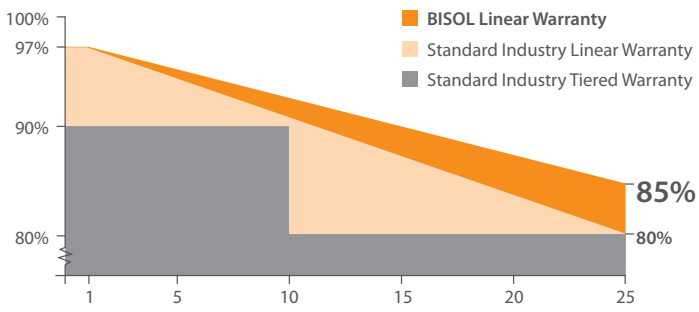
BISOL Project Series

Multicrystalline PV Modules / BMU 245-265 Wp

BISOL
Solar company!

- Made in EU
- +5W — Strictly positive power output tolerances
- PID free
- All relevant certificates
- Module presorting for a more profitable investment
- 20 yr — Extremely low degradation
- 16.2% — Module efficiency up to 16.2%
- +13% — 13% higher real-life performance v standard
- Excellent performance in low light conditions

Warranties:



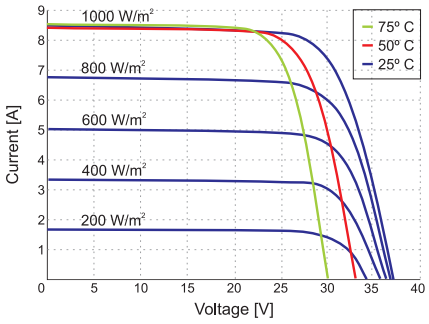
25 — Linear warranty
85% output in 25th year

10 — Product warranty
10 years

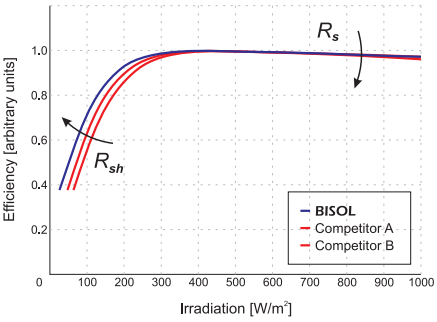
Certificates:

CERTIFIED IEC 61730 Ed.1
CERTIFIED IEC 61215 Ed.2
ÖVE
European Recycling Platform
Ammonia resistance NH3
CE
PV CYCLE
MCS
AS5033 compliant
Salt water mist resistance certificate
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY
ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS Certification
ISTITUTO GIORDANO Qualità al Plurale
Fire resistant - Class 1 (UNI 9177)

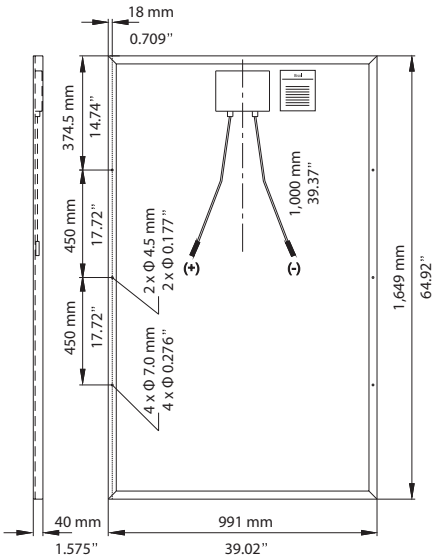
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



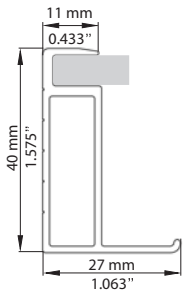
Effective Efficiency



Dimensions



Frame cross section



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

Module Type		BMU-245	BMU-250	BMU-255	BMU-260	BMU-265
Nominal Power	P_{MPP} [W]	245	250	255	260	265
Short Circuit Current	I_{SC} [A]	8.65	8.75	8.85	8.90	9.00
Open Circuit Voltage	V_{OC} [V]	38.1	38.4	38.7	39.0	39.3
MPP Current	I_{MPP} [A]	8.15	8.25	8.35	8.40	8.50
MPP Voltage	V_{MPP} [V]	30.1	30.3	30.5	30.9	31.2
Solar Cell Efficiency	η_C [%]	16.8	17.1	17.5	17.8	18.1
Module Efficiency	η_M [%]	15.0	15.3	15.6	15.9	16.2
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		BMU-245	BMU-250	BMU-255	BMU-260	BMU-265
Nominal Power	P_{MPP} [W]	181	185	189	192	196
Short Circuit Current	I_{SC} [A]	7.00	7.08	7.15	7.20	7.28
Open Circuit Voltage	V_{OC} [V]	34.8	35.1	35.3	35.6	35.9
MPP Current	I_{MPP} [A]	6.57	6.68	6.76	6.81	6.88
MPP Voltage	V_{MPP} [V]	27.6	27.7	27.9	28.2	28.5

Thermal Specifications:

Current Temperature Coefficient	α	+ 4.9 mA/°C
Voltage Temperature Coefficient	β	- 121 mV/°C
Power Temperature Coefficient	γ	- 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 multi 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 tempered glass / high-transparency / low-iron content
Packaging	16-25 modules per pallet / stackable 3 pallets high
Certified Nominal Load	5,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

BISOL Project modules exhibit the same mechanical and electrical characteristics as BISOL Premium modules, however due to some minor visual inconsistencies of the solar cells they are ideal for large-scale or price sensitive projects.

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Dealer Information

www.bisol.com

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