BISOL Premium Series

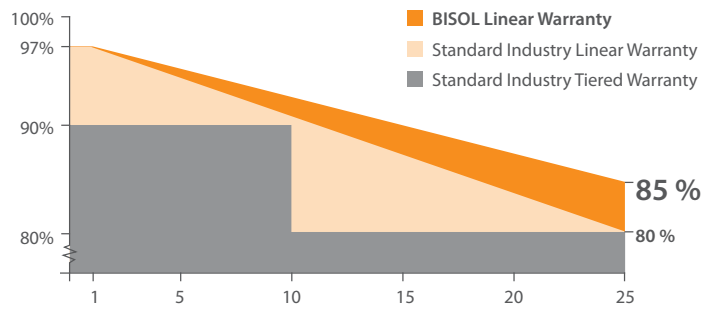
Multicrystalline PV Modules / BMU 255-280 Wp

BISOL
Solar company!



- Made in EU
- Strictly positive output power tolerances
- PID free
- All relevant certificates
- Module presorting for higher profitability
- Supremely low degradation
- Module efficiency up to 17.1 %
- Up to 13 % higher real-life performance
- Excellent low light performance

Warranties:



25 Linear warranty
85 % power output in 25th year

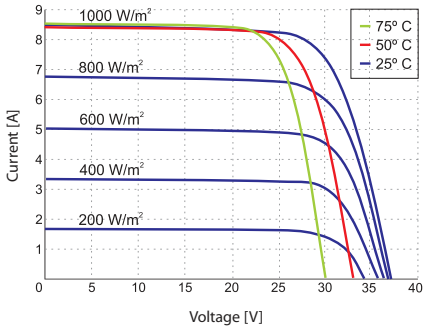
15 Product warranty
15 years

In compliance with:

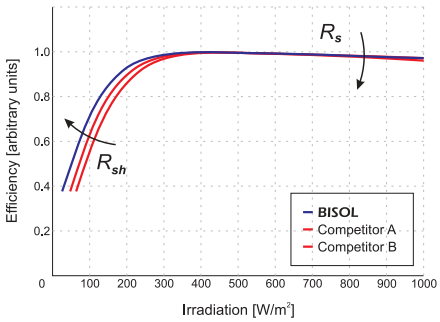
HW3 · certisolis CRE3 · European Recycling Platform · CE · ÖVE · IEC 61730 Ed.1 61215 Ed.2 · IEC 62804-1 · IEC 61701 Salt water mist resistance · AIT Austrian Institute of Technology · TÜVRheinland · IEC 62716 Ammonia resistance · AS5033 compliant · ISO 9001 ISO 14001 OHSAS 18001 BUREAU VERITAS Certification · Istituto Giordano Qualità al Plurale Fire resistant - Class 1 (UNI 9177) · MCS

Certificates available upon special request. Additional charges may apply.

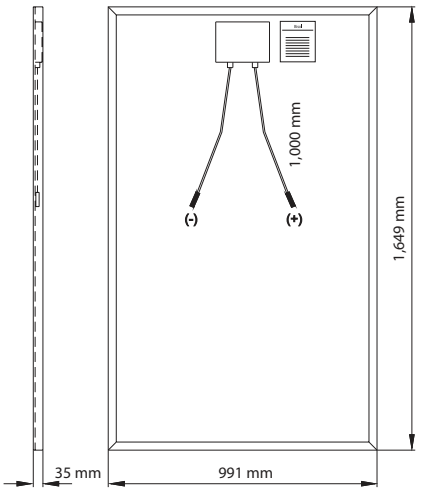
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



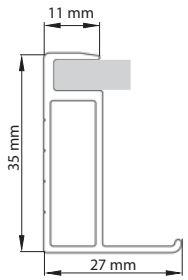
Effective Efficiency



Dimensions



Frame cross section



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

Module Type		BMU-255	BMU-260	BMU-265	BMU-270	BMU-275	BMU-280
Nominal Power	P_{MPP} [W]	255	260	265	270	275	280
Short Circuit Current	I_{SC} [A]	8.85	9.00	9.10	9.25	9.35	9.50
Open Circuit Voltage	V_{OC} [V]	38.9	39.0	39.2	39.4	39.6	39.7
MPP Current	I_{MPP} [A]	8.45	8.60	8.70	8.85	8.95	9.10
MPP Voltage	V_{MPP} [V]	30.2	30.2	30.5	30.5	30.7	30.8
Solar Cell Efficiency	η_C [%]	17.5	17.8	18.1	18.5	18.8	19.2
Module Efficiency	η_M [%]	15.6	15.9	16.2	16.5	16.8	17.1
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. I Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. I Power measurement tolerance: ± 3 %.

Electrical Specifications @ NOCT (AM1.5, 800 W/m², 20 °C, wind: 1m/s; Cell Temperature 44 °C):

Module Type		BMU-255	BMU-260	BMU-265	BMU-270	BMU-275	BMU-280
Nominal Power	P_{MPP} [W]	188	192	196	200	203	207
Short Circuit Current	I_{SC} [A]	7.16	7.28	7.36	7.49	7.57	7.69
Open Circuit Voltage	V_{OC} [V]	35.5	35.6	35.8	36.0	36.1	36.2
MPP Current	I_{MPP} [A]	6.84	6.96	7.05	7.17	7.25	7.37
MPP Voltage	V_{MPP} [V]	27.5	27.6	27.8	27.8	28.0	28.1

Power measurement tolerance: ± 3 %.

Thermal Specifications:

Current Temperature Coefficient	α	+ 0.049 %/K
Voltage Temperature Coefficient	β	- 0.31 %/K
Power Temperature Coefficient	γ	- 0.40 %/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 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 glass with anti-reflective coating / tempered / high-transparency / low-iron content
Packaging	28 modules per pallet / stackable 3 pallets high
Certified Nominal Load (snow/wind)	5,400 Pa / 2,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

All unspecified tolerances are ± 5 %. Unspecified product properties remain under full discretion of BISOL.

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Dealer information

www.bisol.com I www.bisol.co.uk

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

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