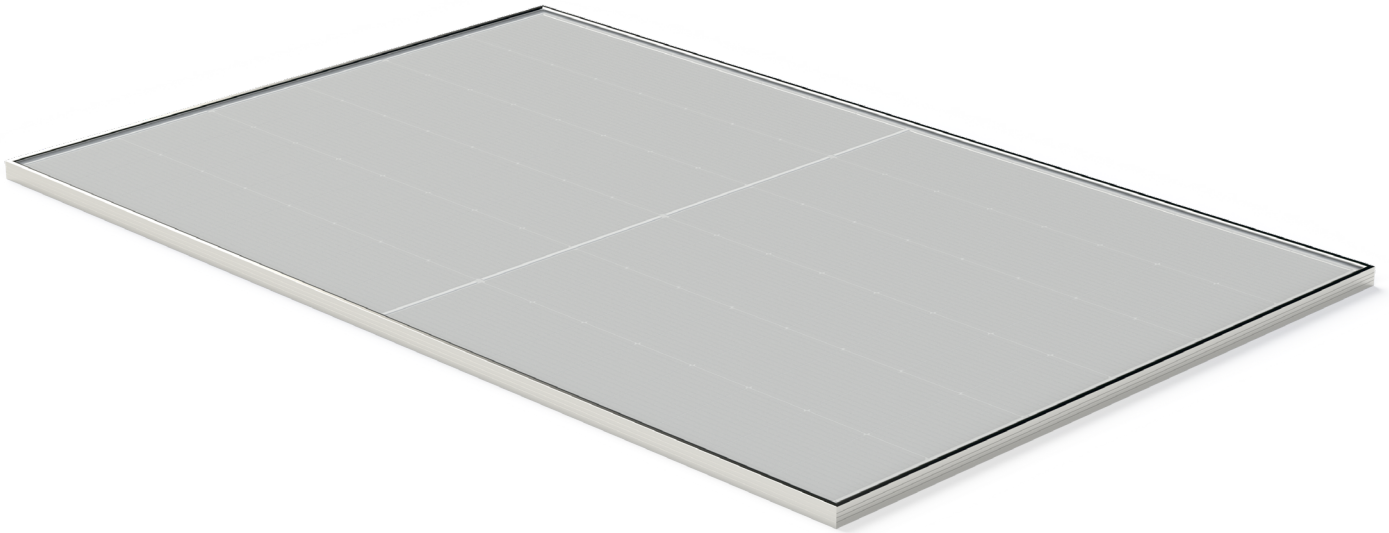


PREMIUM

BISOL Spectrum

Monocrystalline PV Modules With Coloured Encapsulant



Designed and
manufactured in EU



Double insulation



On-roof or BIPV



PID Free



Module presorting
for higher profitability



Supremely low
degradation



A perfect colour match
to your roof

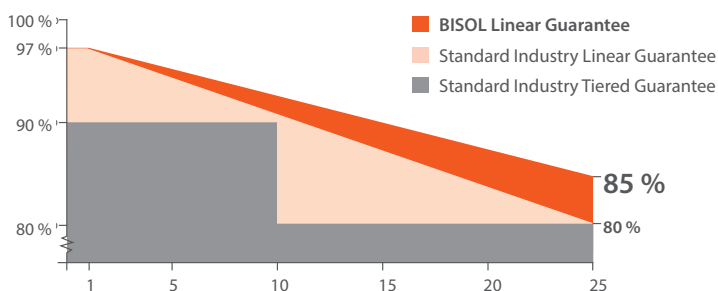


Higher snow load:
up to 6.000 Pa



Excellent low light
performance

Guarantees:



In compliance with:

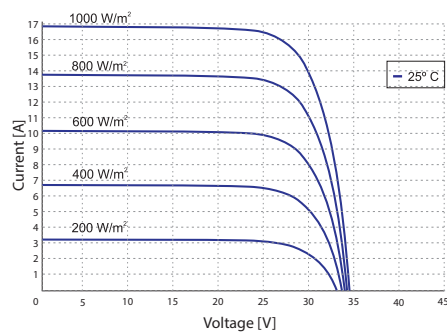


Linear Guarantee
85 % power output
in 25th year

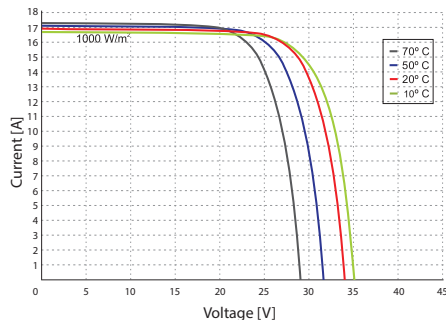


Product Guarantee
Standard: 15 years
Extra: 20 years

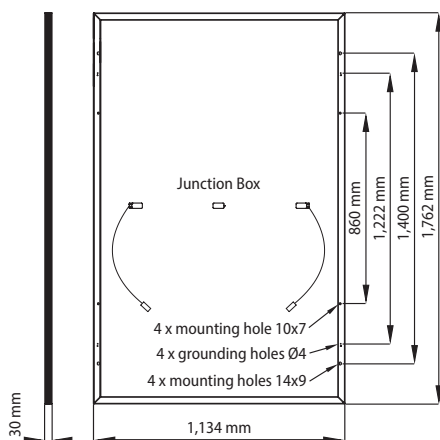
I-V Curve at Various Irradiation Levels



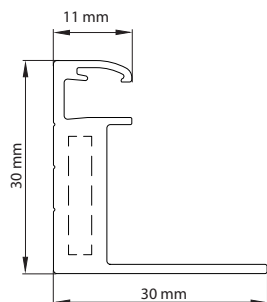
I-V Curve at Various Cell Temperatures



Dimensions



Frame Cross Section



Electrical Specifications @ STC (AM 1.5, 1,000 W/m², 25 °C):



Module Type	BDO	300
Nominal Power	P_{MPP} [W]	300
Short Circuit Current	I_{SC} [A]	9.45
Open Circuit Voltage	V_{OC} [V]	39.2
MPP Current	I_{MPP} [A]	9.0
MPP Voltage	V_{MPP} [V]	33.5
Module Efficiency	η_M [%]	15.0
Cell Efficiency	η_C [%]	16.4
Power Output Tolerance		±3 %
Maximum Reverse Current		30 A
Maximum System Voltage		1,500 V
Protection Class		Class II

Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. Tolerances for V_{OC} and I_{SC} and other electrical parameters are ±3 %.

The actual colour shades may vary from the images shown. Colour inconsistencies in a module may appear due to the nature of this product.

Electrical Specifications @ NOCT (800 W/m², 42 °C, AM 1.5, Wind 1m/s):

Module Type	BDO	300
Nominal Power	P_{MPP} [W]	230.0
Short Circuit Current	I_{SC} [A]	7.62
Open Circuit Voltage	V_{OC} [V]	37.5
MPP Current	I_{MPP} [A]	7.3
MPP Voltage	V_{MPP} [V]	31.7

Thermal Specifications:


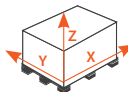



Current Temperature Coefficient	α	+ 0.05 %/°C
Voltage Temperature Coefficient	β	- 0.25 %/°C
Power Temperature Coefficient	γ	- 0.29 %/°C
NOCT		42 °C ± 3 °C
Temperature Range		- 40 °C to + 85 °C

Mechanical Specifications:

Length x Width x Thickness	1,762 x 1,134 x 30 mm
Weight	21 kg
Solar Cells	96 Half-Cut c-Si / 182.25 x 105 mm
Junction Box / Connectors / IP	3 bypass diodes / MC4 compatible / IP 68
Cable Length	Default: 1,200 mm On demand (for portrait orientation): 300 mm
Frame	Anodized Al with mounting and drainage holes / rigid anchored corners.
Backsheet Colour	Black
Glass	3.2 mm AR coating tempered glass / high-transparency / low-iron content
Certified Test Load (Snow/Wind)	6,000 Pa / 2,400 Pa
Impact Resistance	Hailstone / Ø 35 mm / 83 km/h (51 mph)

Tolerances of values are ±5 %. Unspecified product properties remain under full discretion of BISOL Production.

Packaging Information:

				
Modules per Pallet	Packaging Dimension: Length/Width/Height	Stackable	Packaging Weight	Tot. Nr. of Pallets/Load
35	178 x 116 x 128 cm	3 pallets	759 kg	28