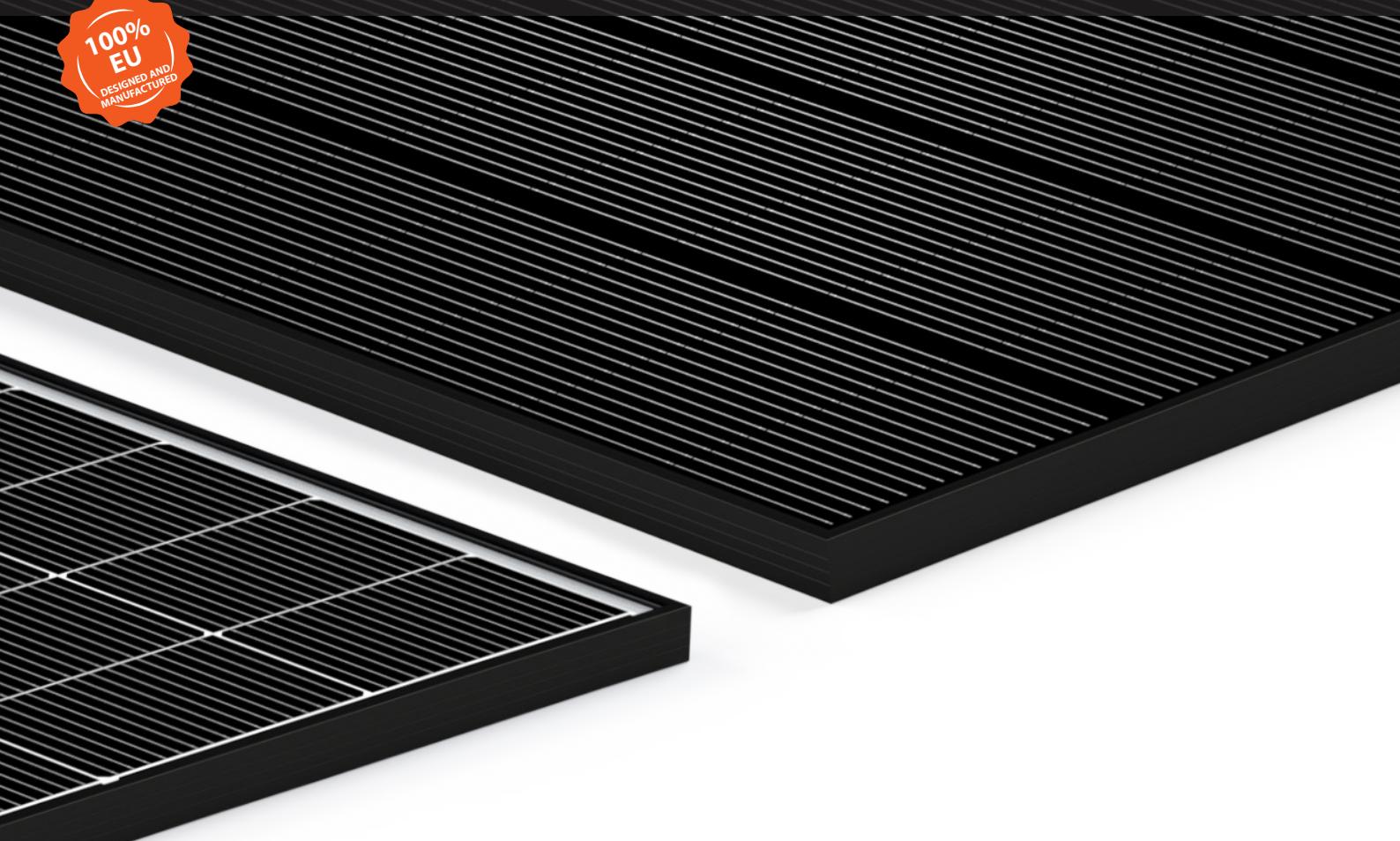


# BISOL® Duplex Deflect

Monocrystalline Half-Cut PV Modules (120 Cells) / BGO 560-580 Wp



Made in Europe



30 years of  
EU Guarantee



Hail and  
Fire resistant



Uncompromisingly  
certified



5.400 Pa Snow load



PID and  
LETID free



Highest Efficiency

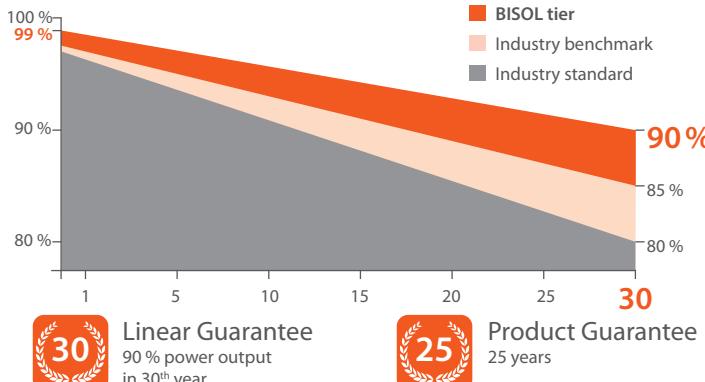


Module sorting  
technology



Low maintenance  
costs

## Guarantee:

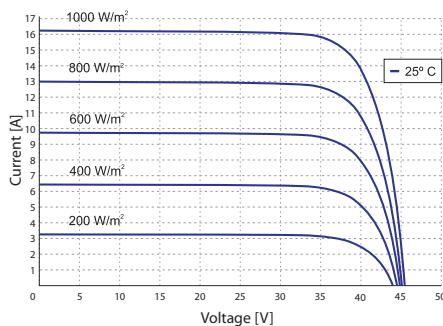


## In compliance with:

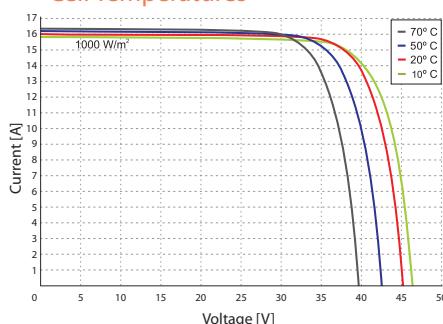


Certificates available upon request. Additional charges may apply.

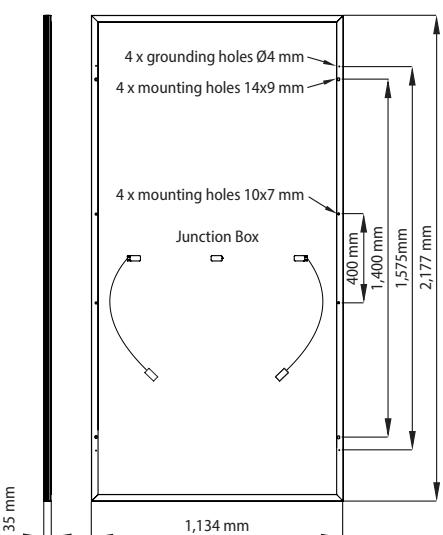
## I-V Curve at Various Irradiation Levels



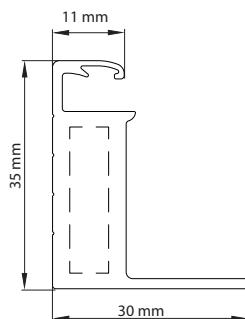
## I-V Curve at Various Cell Temperatures



## Dimensions



## Frame Cross Section



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

Module Type	BGO	560	570	580
Nominal Power	$P_{MPP}$ [W]	560	570	580
Short Circuit Current	$I_{SC}$ [A]	16.0	16.1	16.2
Open Circuit Voltage	$V_{OC}$ [V]	44.3	44.7	45.2
MPP Current	$I_{MPP}$ [A]	15.0	15.2	15.4
MPP Voltage	$V_{MPP}$ [V]	37.4	37.5	37.7
Module Efficiency	$\eta_M$ [%]	22.7	23.1	23.5
Cell Efficiency	$\eta_C$ [%]	24.4	24.9	25.3
Power Output Tolerance		0/+5 W		
Maximum System Voltage		1,500 V		
Maximum Reverse Current		30 A		
Protection Class		Class II		

Additional power classes available upon request. I Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. I Tolerances for  $V_{OC}$  and  $I_{SC}$  and other electrical parameters are  $\pm 3\%$ .

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

Module Type	BGO	560	570	580
Nominal Power	$P_{MPP}$ [W]	430	437	445
Short Circuit Current	$I_{SC}$ [A]	12.9	13.0	13.1
Open Circuit Voltage	$V_{OC}$ [V]	42.4	42.8	43.3
MPP Current	$I_{MPP}$ [A]	12.1	12.3	12.4
MPP Voltage	$V_{MPP}$ [V]	35.6	35.7	35.9

## Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 0.05 %/°C
Voltage Temperature Coefficient	$\beta$	- 0.25 %/°C
Power Temperature Coefficient	$\gamma$	- 0.29 %/°C
NOCT		42 °C ( $\pm 3$ °C)
Temperature Range		- 40 °C to + 85 °C

## Mechanical Specifications:

Length x Width x Thickness	2,177 x 1,134 x 35 mm
Weight	26 kg
Solar Cells	120 Half-Cut c-Si / 182.25 x 105 mm
Junction Box / Connectors / IP	3 bypass diodes / MC4 compatible; On demand: MC4 EVO2 / 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.
Glass	3.2 mm thick anti-glare glass / Deflect / Luminance below 13.100cd/m²*
Certified Test Load (Snow/Wind)	5,400 Pa / 2,400 Pa
Impact Resistance	Hailstone / Ø 40 mm / 99.1 km/h (61.6 mph)

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

\*Data provided by the manufacturer for informational purposes only.

## Packaging Information:

Modules per Pallet	Packaging Dimension: Length/Width/Height	Stackable	Packaging Weight	Tot. Nr. of Pallets/Load
30	220 x 116 x 128 cm	3 pallets	812 kg	24