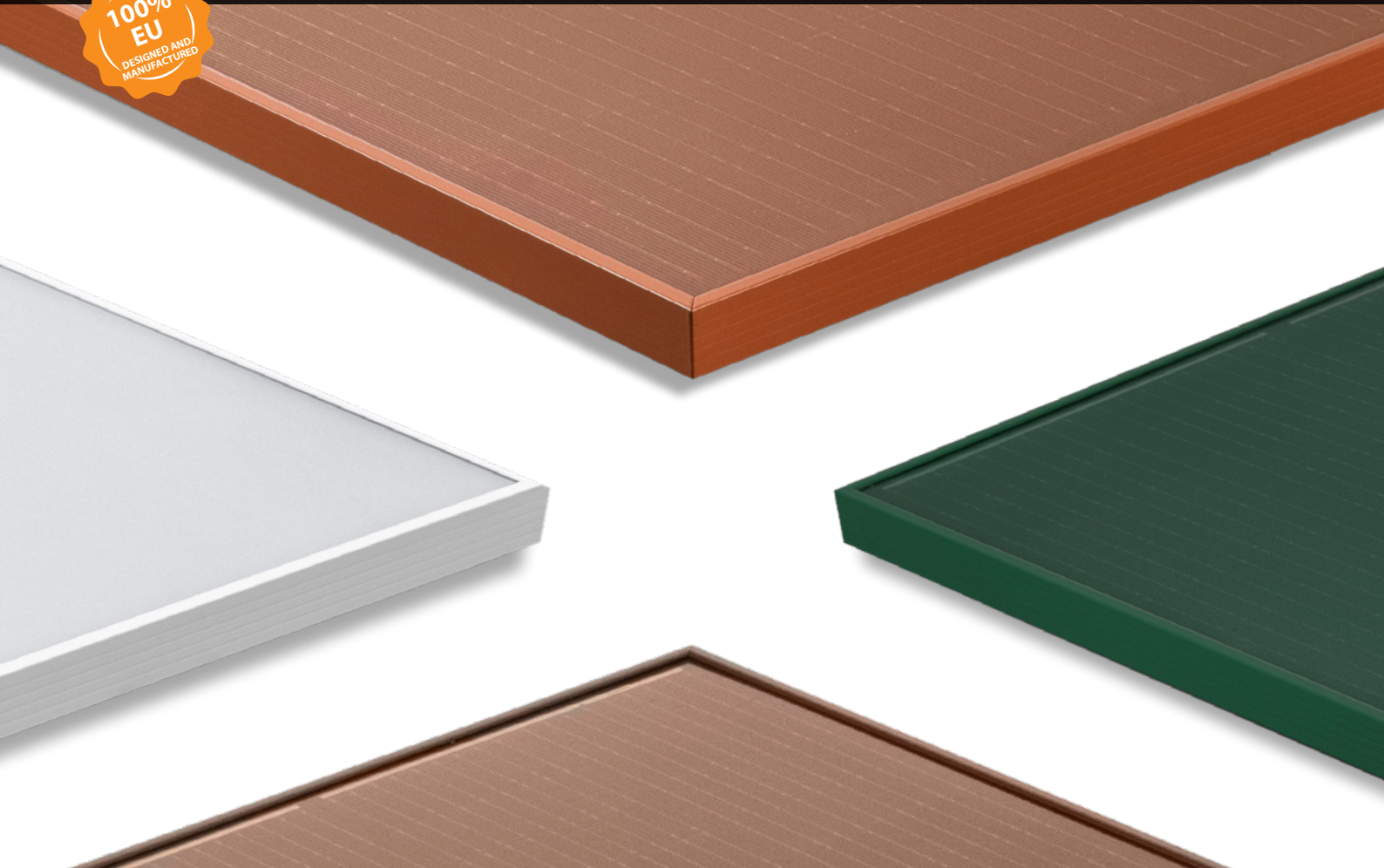


PREMIUM

# BISOL Spectrum

Monocrystalline PV Modules With Coloured Glass



Designed & 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

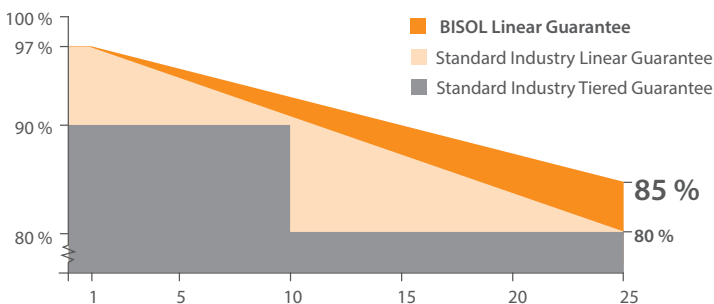


Available in variety of colours



Excellent low light performance

## Guarantees:



Linear Guarantee  
85% power output in 25<sup>th</sup> year



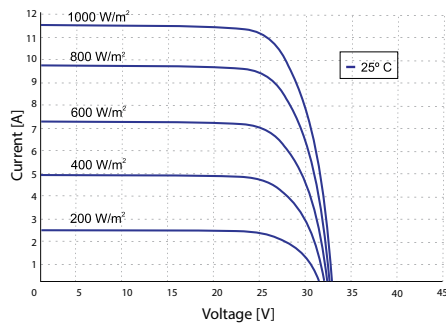
Product Guarantee  
15 years

## In compliance with:

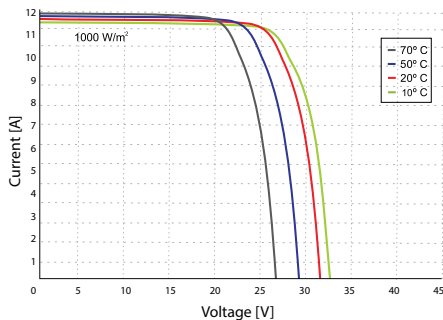


Certificates available upon special request. Additional charges may apply.

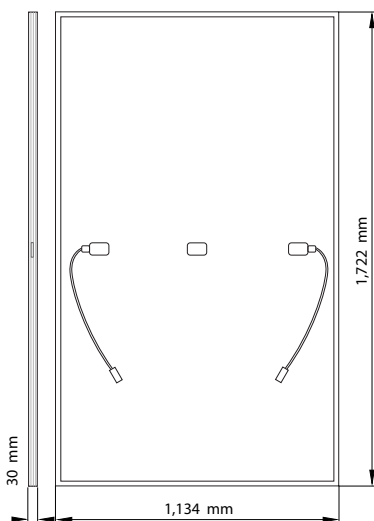
## I-V Curve at Various Irradiation Levels



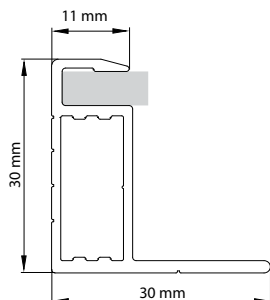
## I-V Curve at Various Cell Temperatures



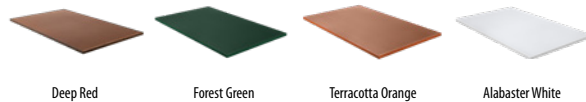
## Dimensions



## Frame Cross Section



## Electrical Specifications @ STC (AM1.5, 1,000 W/m<sup>2</sup>, 25 °C):



Module Type	BDO	350	335	305	255
Nominal Power	$P_{MPP}$ [W]	350	335	305	255
Short Circuit Current	$I_{SC}$ [A]	11.50	11.05	9.95	8.30
Open Circuit Voltage	$V_{OC}$ [V]	38.3	38.6	38.5	38.3
MPP Current	$I_{MPP}$ [A]	10.65	10.25	9.35	7.75
MPP Voltage	$V_{MPP}$ [V]	32.9	32.7	32.7	33.0
Power Output Tolerance		±3 %			
Maximum Reverse Current		20 A			
Maximum System Voltage		1,500 V			
Protection Class		Class II			

Efficiency at irradiation 200 W/m<sup>2</sup>: 99.3 % of STC efficiency or higher. | Tolerances for  $V_{oc}$  and  $I_{sc}$  are 3 %.

## Electrical Specifications @ NOCT (AM1.5, 800 W/m<sup>2</sup>, 20 °C, wind: 1 m/s; Cell Temperature 44 °C):

Module Type	BDO	350	335	305	255
Nominal Power	$P_{MPP}$ [W]	284.8	272.6	248.1	207.5
Short Circuit Current	$I_{SC}$ [A]	9.18	8.82	7.94	6.62
Open Circuit Voltage	$V_{OC}$ [V]	38.8	39.1	39.0	38.8
MPP Current	$I_{MPP}$ [A]	8.50	8.18	7.46	6.18
MPP Voltage	$V_{MPP}$ [V]	33.5	33.3	33.3	33.5

Power measurement tolerance: ±3 %.

## Thermal Specifications:

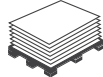
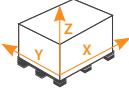



Current Temperature Coefficient	$\alpha$	+ 0.05 %/°C
Voltage Temperature Coefficient	$\beta$	- 0.26 %/°C
Power Temperature Coefficient	$\gamma$	- 0.34 %/°C
NOCT		43 ± 2 °C
Temperature Range		- 40 °C to + 85 °C

## Mechanical Specifications:

Length x Width x Thickness	1,722 x 1,134 x 30 mm
Weight	22 kg
Solar Cells	108 Half-Cut mono PERC c-Si / 182 x 182 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 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)	5,400 Pa / 2,400 Pa
Impact Resistance	Hailstone / Ø 25 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	175 x 115,5 x 128 cm	3 pallets	794 kg	30

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

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