



Deep **RED**

Coloured Glass

BISOL Spectrum

With respect for our natural surroundings and the architectural legacy in mind, we are introducing exclusive **BISOL Spectrum** photovoltaic modules with coloured glass, whereby you no longer have to compromise aesthetics for efficiency when harnessing the endless power of the sun.

BISOL Spectrum modules were designed not only to conform, but also to refine the architectural traits of buildings and roofs of various types and styles. Available in a wide palette of colours, BISOL Spectrum PV modules can now really become an integral part of the building by either seamlessly blending into the historic character of the building in its natural setting, or by contributing to the manifestation of the building's modern design features. Their unique look allows discreet blending with the scenery, hence preserving the timeless beauty of diverse natural settings. Either way, BISOL Spectrum modules will undoubtedly add a timeless aesthetical value.

Advantages:



Made in EU



Available in variety of colours



A perfect colour match to your roof



r On-roof or BIPV



PID free



Module presorting for higher profitability



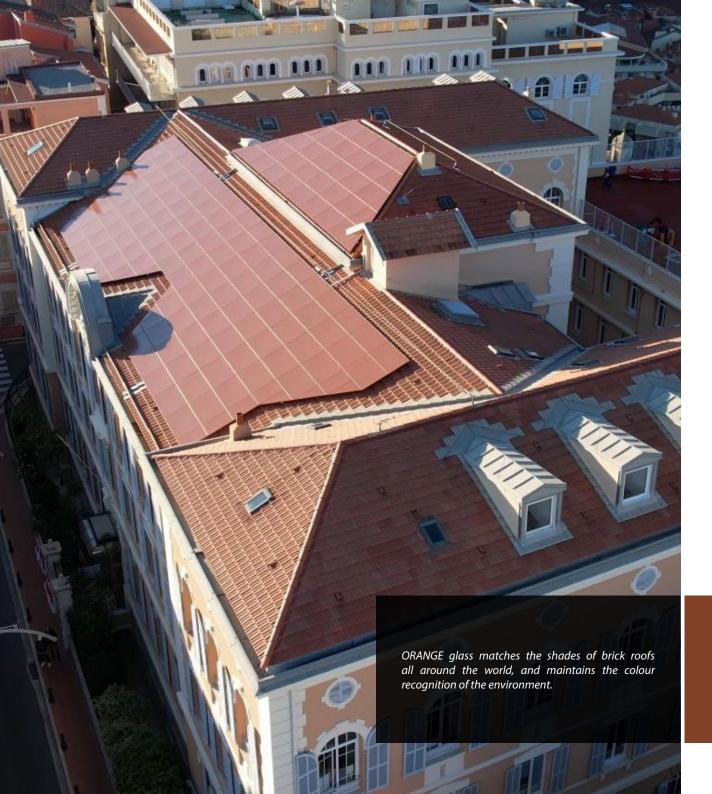
Exellent low light performance



Double insulation



Deep Red



Terracotta **ORANGE**

Coloured Glass

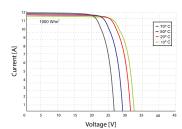
Electrical Specifications @ STC (1,000 W/m², AM 1.5, 25 °C):



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 ± 3 %.

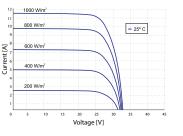
I-V Curve at Various Irradiation Levels

Protection Class



I-V Curve at Various Cell Temperatures

Class II





Terracotta Orange



Alabaster WHITE

Coloured Glass

Thermal Specifications

Current Temperature Coefficient	α	+ 0.05 %/°C
Voltage Temperature Coefficient	β	- 0.26 %/°C
Power Temperature Coefficient	γ	- 0.34 %/°C
NOCT		43 ± 2 ℃
Temperature Range		- 40 °C to + 85 °C

In compliance with:

IEC 61730 Ed.1 **IEC** 62804-1 **IEC** 62716 Ammonia resistance **ऍVE C**€





















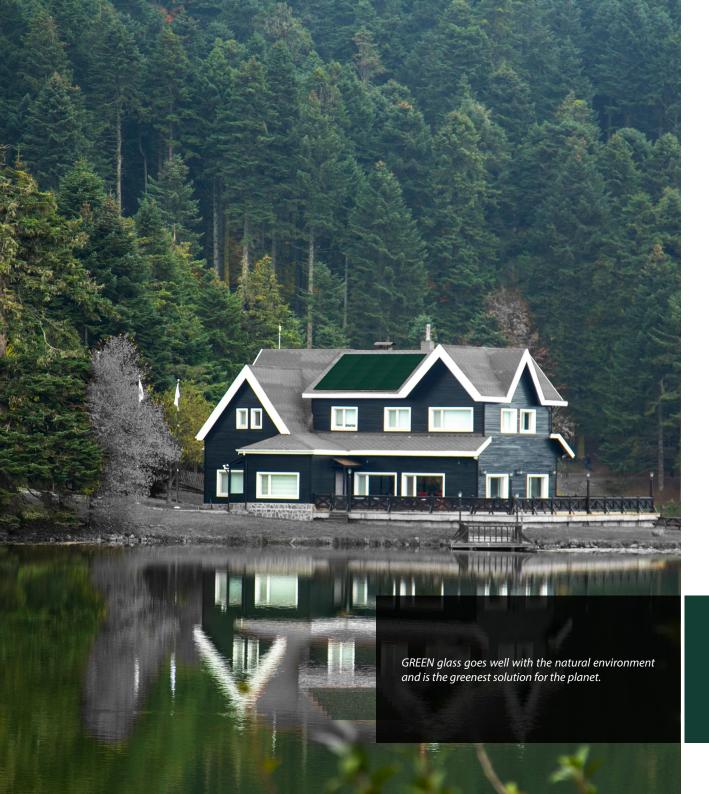




Certificates available upon special request. Additional charges may apply.

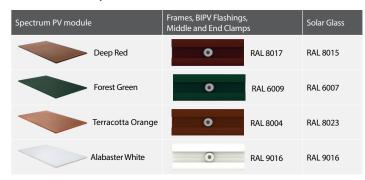


Alabaster White



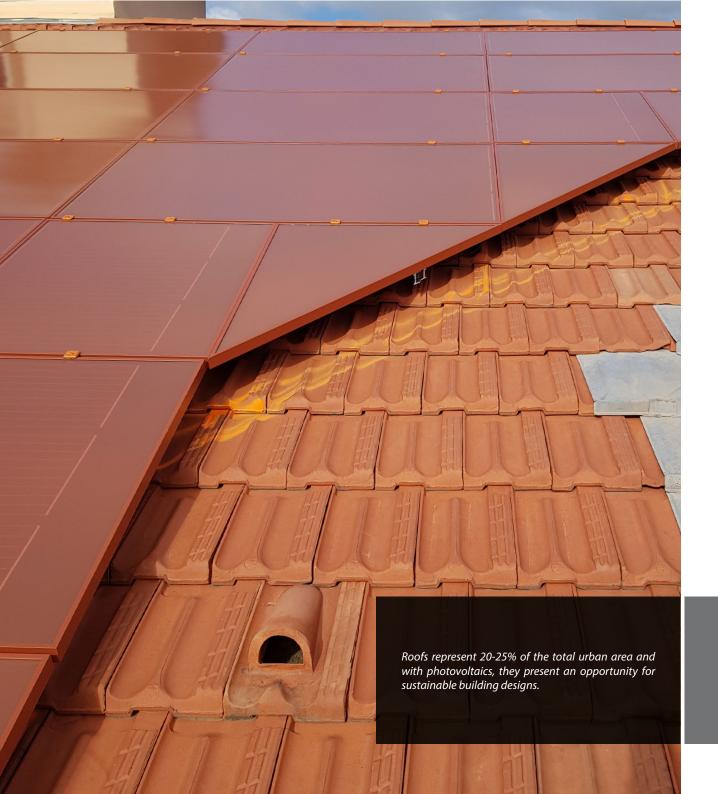
Forest **GREEN**

Colour Availability

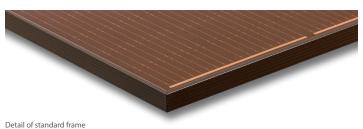


The actual colour shades may vary from the images shown. Colour inconsistencies in a module may appear due to the nature of this product.

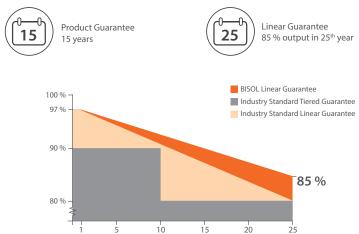




On-Roof Solution



Guarantees:





Mechanical Specifications

Length x Width x Thickness	BDO: 1,722 x 1,134 x 30 mm	
Weight	BDO: 22 kg	
Solar Cells	108 Half-Cut mono PERC c-Si / 182 x 91 mm	
Junction Box / Connectors / IP	Three bypass diodes / MC4 compatible / IP 68	
Cable Lenght	Default: 1,200 mm On demand (for portrait orientation): 300 mm	
Frame	Standard frame (anodized AI with drainage holes / rigid anchored corners)	
Frame Colour	Any RAL colour code, black or silver	
Back Sheet Colour	Black	
Glass	3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content	
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)	

Packaging Information:





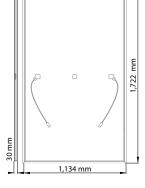


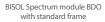


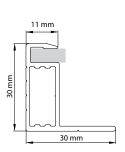


Module	Modules	Packaging Dimension:	Stackable	Packaging	Tot. Nr. of Pallets
Type	per Pallet	Length/Width/Height		Weight	Load
BDO	35	175 x 116 x 128 cm	3 pallets	794 kg	30

Dimensions







Cross section of standard frame



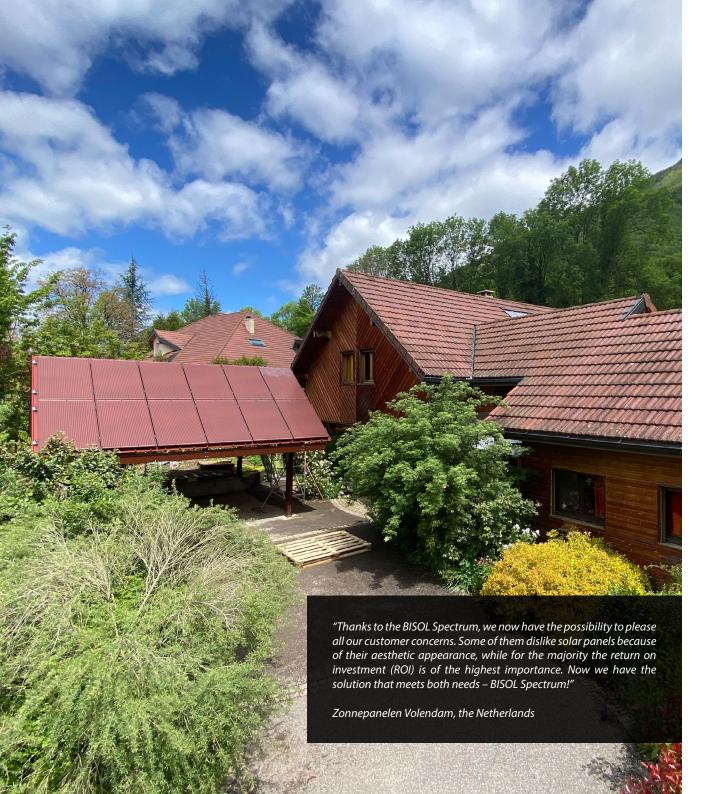
Roof-Integrated Solution

BISOL Spectrum PV modules are also available as a BIPV solution used in roof-integrated applications, that can be more cost effective simply because their composition and location replaces a number of conventional components. The overlapping of the specially framed BIPV modules produces an elegant PV array that completely replaces the conventional roofing. Maximum visual conformity and an unobtrusive appearance of the PV system are achieved by fully matching the colour of the end flashings, making it especially appealing to the eye. Coloured PV modules teamed up with building-integrated trim allow the PV system to fully blend in with even the most particular roof types, offering new possibilities of applying photovoltaic to most delicate historic and listed buildings in conservation areas.



Detail of special BIPV (Solrif®) frame





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Scan the QR code to watch our beautiful promo video *Power & Elegance!*

EUPD RESEARCH	RESEARCH	ESEARCH	ESEARCH	ESEARCH			
TOP BRAND PV	RAND PV	RAND PV	RAND PV	RAND PV			
MODULES	ODULES	ODULES	ODULES	ODULES			
BELGIUM FRANCE		ITALY	AUSTRIA	OVENIA.			
2022 2022 2022 2022 2022							

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