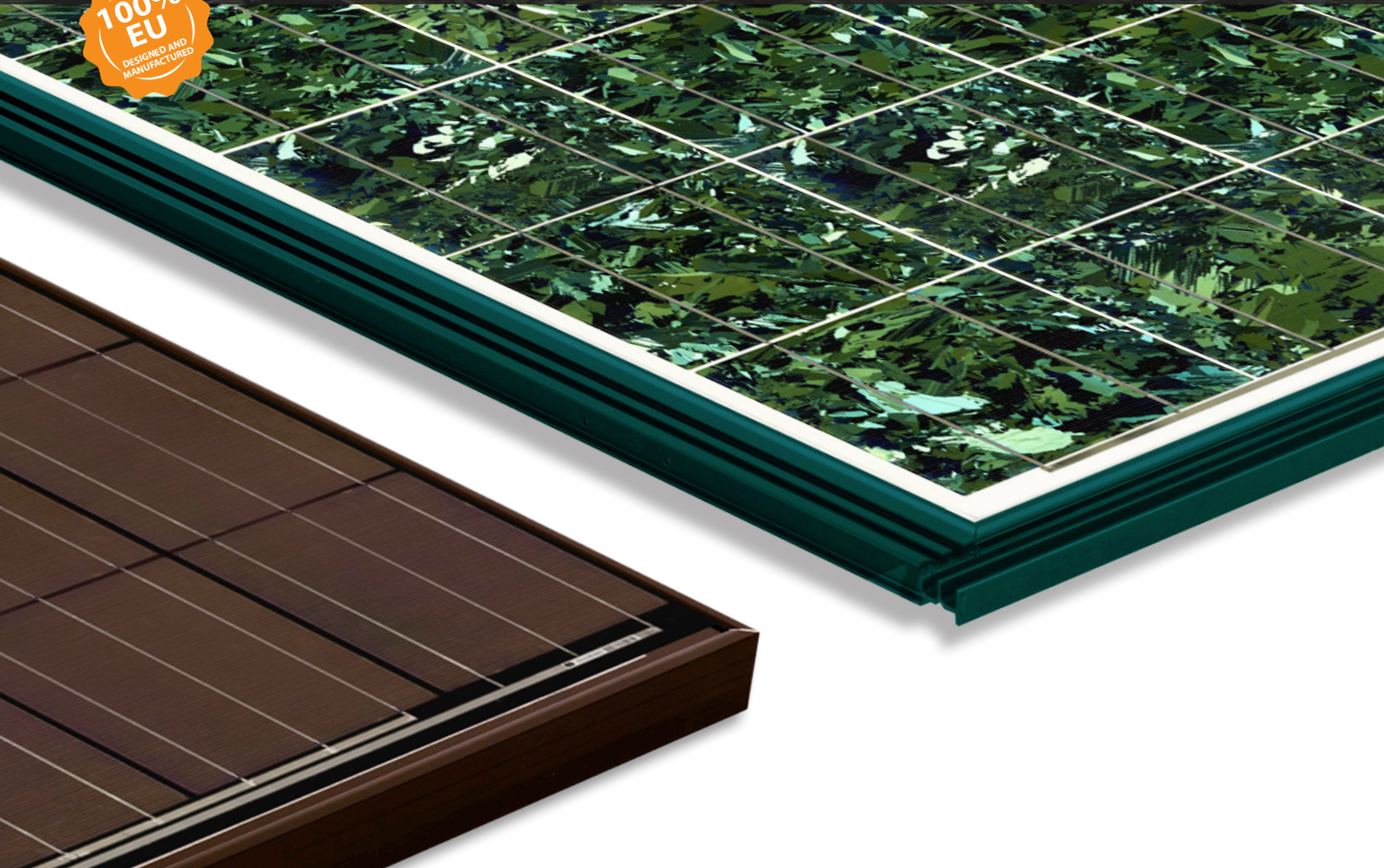


BISOL Spectrum Series

Multicrystalline coloured PV Modules / 255, 280 Wp



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

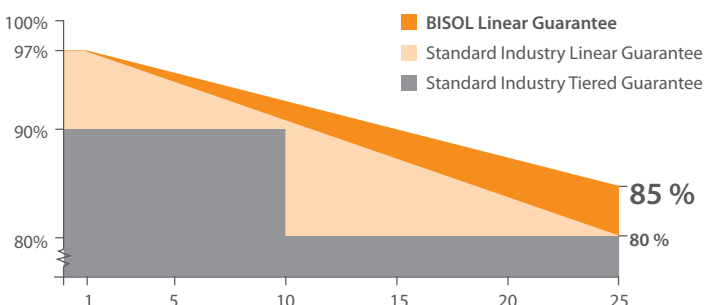


Available in variety of colours



Excellent low light performance

Guarantees:



Linear guarantee 85% power output in 25th year



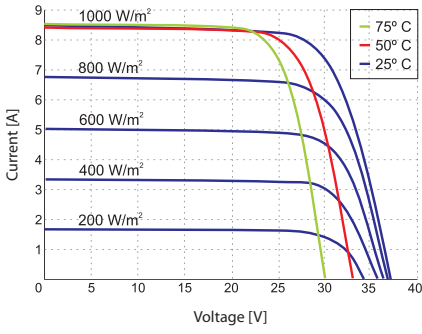
Product guarantee 15 years

In compliance with:

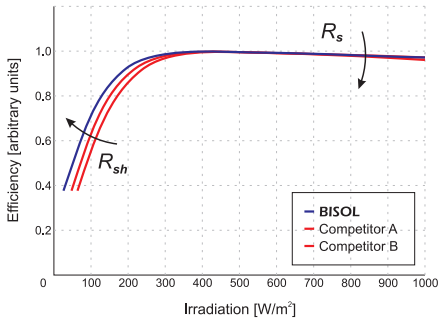


Certificates available upon special request. Additional charges may apply.

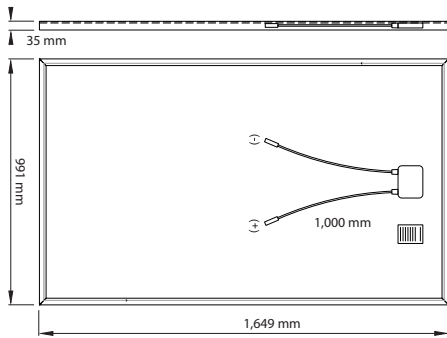
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



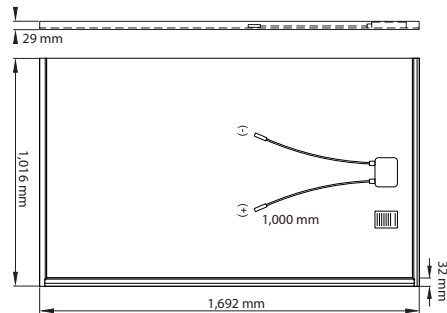
Effective Efficiency



Dimensions of module type BMU



Dimensions of module type BSU (Solrif®)



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

Module Type (BMU or BSU)		255	280*
Nominal Power	P_{MPP} [W]	255	280
Short Circuit Current	I_{SC} [A]	8.85	9.50
Open Circuit Voltage	V_{OC} [V]	38.9	39.7
MPP Current	I_{MPP} [A]	8.45	9.10
MPP Voltage	V_{MPP} [V]	30.2	30.8
Solar Cell Efficiency	η_c [%]	17.5	19.2
Module Efficiency	η_M [%]	15.6	17.1
Power Output Tolerance		0+5 W (Rustic Red) / ± 3 % (all other colours)	
Maximum Reverse Current		18 A	
Maximum System Voltage		1,000 V (Application Class A)	

Power classes vary depending on colour. | Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. | Power measurement tolerance: ± 3 %. | *Available only for BISOL Spectrum Rustic Red.

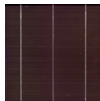
Thermal Specifications:

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

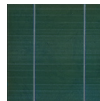
Mechanical Specifications:

Length x Width x Thickness	BMU: 1,649 mm x 991 mm x 35 mm / BSU (Solrif®): 1,692 mm x 1,016 mm x 29 mm
Weight	BMU: 18.3 kg / BSU (Solrif®): 18.4 kg
Solar Cells	60 multi c-Si in series / 156 mm x 156 mm (6+")
Cell Colour Pattern	Single-shade or multi-shade (Marble)
Junction Box / Connectors	Three bypass diodes / MC4 compatible / IP 67
Frame	Standard frame (anodized AL with drainage holes and rigid anchored corners) or BIPV (Solrif®) frame
Frame Colour	Any RAL colour code, black or silver
Back Sheet Colour	Black, white or transparent
Glass	3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
Packaging	BMU: 30 modules per pallet / stackable 3 pallets high BSU (Solrif®): 24 modules per pallet / stackable 2 pallets high
Certified Nominal Load (snow/wind)	BMU: 5,400 Pa / 2,400 Pa BSU (Solrif®): 2,400 Pa / 2,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

Cell colour availability:



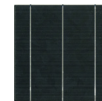
Rustic Red



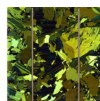
Pine Green



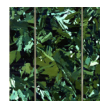
Charming Purple



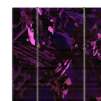
Charcoal Grey



Marble Gold



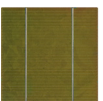
Marble Green



Marble Pink



Marble Grey



Olive Green

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

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

Dealer Information

www.bisol.com | www.bisol.co.uk



Solar company!

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

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