# **BISOL Spectrum**

Monocrystalline PV Modules With Coloured Glass







Designed & manufactured in EU



PID free



A perfect colour match to your roof



Double insulation



Module presorting for higher profitability



Available in variety of colours



On-roof or BIPV

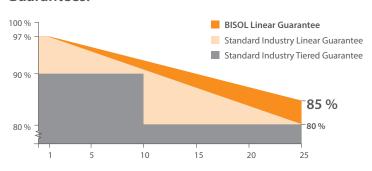


Supremely low degradation



Excellent low light performance

#### **Guarantees:**



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

**Product Guarantee** Standard: 15 years Extra: 20 years

# In compliance with:























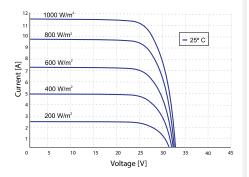




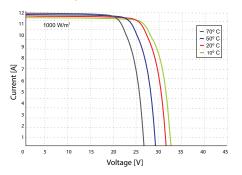




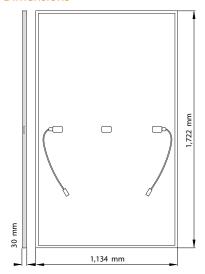
#### I-V Curve at Various **Irradiation Levels**



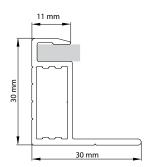
#### I-V Curve at Various **Cell Temperatures**



#### **Dimensions**

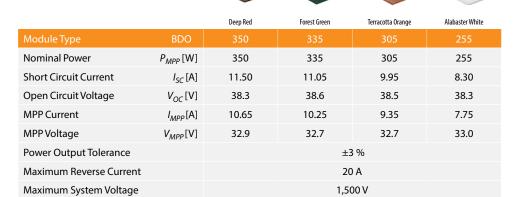


### Frame Cross Section





# Electrical Specifications @ STC (AM 1.5, 1,000 W/m<sup>2</sup>, 25 °C):



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

Class II

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/m<sup>2</sup>, 43 °C, AM 1.5, Wind 1m/s):

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 <sub>MPP</sub> [A]	8.50	8.18	7.46	6.18
MPP Voltage	$V_{MPP}[V]$	33.5	33.3	33.3	33.5

#### Thermal Specifications:

**Protection Class** 

Current Temperature Coefficient		+ 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

#### **Mechanical Specifications:**

Length x Width x Thickness	1,722 x 1,134 x 30 mm	
Weight	22 kg	
Solar Cells	108 Half-Cut c-Si / 182 x 91 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 AI 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 / Φ 25 mm / 83 km/h (51 mph)	

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

#### **Packaging Information:**











Modules per Pallet

Length/Width/Height

Stackable 3 pallets Packaging Weight

Tot. Nr. of Pallets/Load

35 175 x 116 x 128 cm 794 kg

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