



Designed and manufactured in EU



Double insulation



Higher snow load: up to 6.000 Pa



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:**

### 100 % ■ BISOL Linear Guarantee 97 % Standard Industry Linear Guarantee ■ Standard Industry Tiered Guarantee 90 % 85 % 80 % 80 % 1 15 20

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



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

# In compliance with:



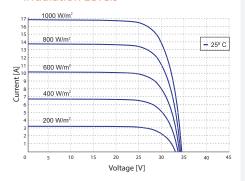




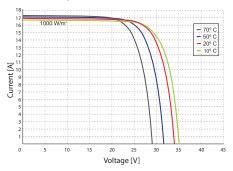




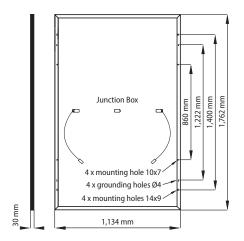
### I-V Curve at Various **Irradiation Levels**



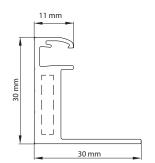
## I-V Curve at Various **Cell Temperatures**



#### **Dimensions**



## Frame Cross Section





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



±3 %

30 A

1,500 V

Class II

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

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>, 42 °C, AM 1.5, Wind 1m/s):

Module Type	BDO	360	410	360
Nominal Power	$P_{MPP}$ [W]	277.0	315.0	277.0
Short Circuit Current	I <sub>SC</sub> [A]	11.6	13.6	11.5
Open Circuit Voltage	$V_{OC}[V]$	32.0	32.2	32.5
MPP Current	I <sub>MPP</sub> [A]	10.5	12.3	10.5
MPP Voltage	$V_{MPP}[V]$	26.4	25.5	26.4

## Thermal Specifications:

Power Output Tolerance

Maximum Reverse Current

Maximum System Voltage

**Protection Class** 

Current Temperature Coefficient	а	+ 0.05 %/°C
Voltage Temperature Coefficient	β	- 0.25 %/°C
Power Temperature Coefficient	γ	- 0.29 %/℃
NOCT		42 °C ± 3 °C
Temperature Range		- 40 °C to + 85 °C

## **Mechanical Specifications:**

Length x Width x Thickness	1,762 x 1,134 x 30 mm
Weight	21 kg
Solar Cells	96 Half-Cut c-Si / 182.25 x 105 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	Anodaized Al with mounting and 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)	6,000 Pa / 2,400 Pa
Impact Resistance	Hailstone / $\Phi$ 35 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

Packaging Dimension: Length/Width/Height

Stackable

Packaging Weight 759 kg

Tot. Nr. of Pallets/Load

35 178 x 116 x 128 cm 3 pallets

28