

PREMIUM

# BISOL Bifacial

Bifacial Half-Cut PV Modules with Transparent Backsheet / BBO 500 Wp (+ Bifacial Gain)



Designed and manufactured in EU



Higher power



Lower losses



Module presorting for higher profitability



Excellent low light performance



Natural light transmission



Available with or without frame

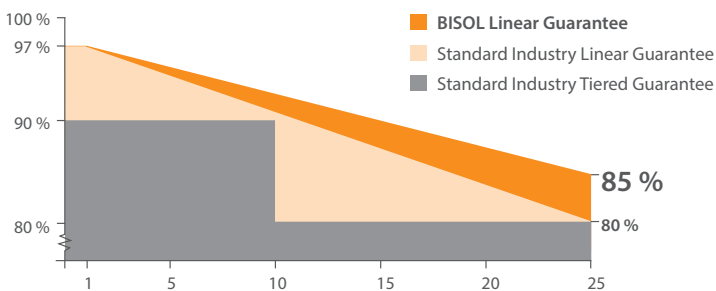


Transparent back foil



Bifacial module

## Guarantees:



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



Product Guarantee  
Standard: 15 years  
Extra: 20 years

## In compliance with:



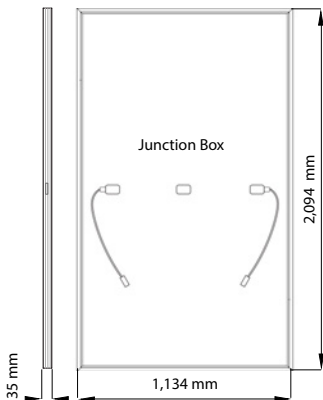
Certificates available upon special request. Additional charges may apply.

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

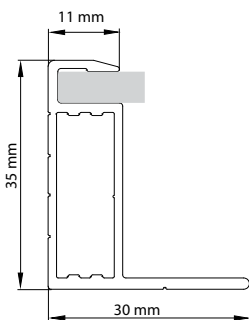
Module Type	BBO	500				
Number of Cells		132				
Cell Matrix		6 x 11 + 6 x 11				
Transparent Area	m <sup>2</sup>	0.09				
	%	3.6				
		Front	Bifacial Gain			
Light Source	%	100	10	20	30	40
Nominal Power	$P_{MPP}$ [W]	500	550	600	650	700
Short Circuit Current	$I_{SC}$ [A]	13.1	14.3	15.6	16.8	18.0
Open Circuit Voltage	$V_{OC}$ [V]	48.4	48.7	48.8	49.1	49.3
MPP Current	$I_{MPP}$ [A]	12.4	13.6	14.8	16.0	17.1
MPP Voltage	$V_{MPP}$ [V]	40.4	40.5	40.6	40.7	41.0
Power Output Tolerance		±3 %				
Maximum Reverse Current		25 A				
Maximum System Voltage		1,500 V				
Protection Class		Class II				

Additional power classes available upon request. | Efficiency at irradiation 200 W/m<sup>2</sup>: 99.3 % of STC efficiency or higher. | Tolerances for  $V_{OC}$  and  $I_{SC}$  and other electrical parameters are ±3 %.

### Dimensions



### Frame Cross Section



### Thermal Specifications:

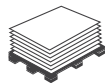
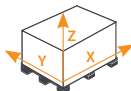



Current Temperature Coefficient	$\alpha$	+ 0.05 %/°C
Voltage Temperature Coefficient	$\beta$	- 0.26 %/°C
Power Temperature Coefficient	$\gamma$	- 0.34 %/°C
NOCT		43 ± 2 °C
Temperature Range		- 40 °C to + 85 °C

### Mechanical Specifications:

Length x Width x Thickness	2,094 x 1,134 x 35 mm	
Weight	26 kg	
Solar Cells	132 Half-Cut Bifacial c-Si / 182 mm 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 Al with drainage holes / rigid anchored corners	
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	Packing Dimension: Length/Width/Height	Stackable	Packing Weight	Tot. Nr. of Pallets/Load
30	212 x 116 x 127 cm	3 Pallets	807 kg	24

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

© BISOL Production Ltd. September 2023. All rights reserved. All information presented in this document is subject to change without prior notice and serve for informative purposes only.