

M8 IBC BIPV

Belinus Curtain Wall

belinus BELGIAN DESIGN
AND QUALITY 



Bifacial IBC Technology

Cutting edge IBC Technology for ultra high efficiency

90% Bifaciality for up to 10% additional power



N-Type Technology

Zero PID and LID



Zero Busbar Technology

Elegant looks and status



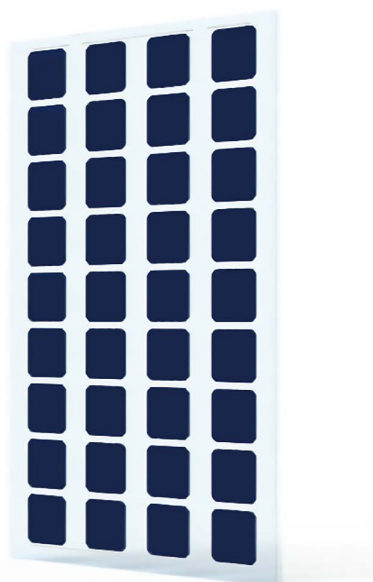
Very Low Temperature Coefficient

VOC: -0.246 % / °C, much lower than PERC or N-TopCon modules



European Quality

Made of European components, including Staubli MC4 connectors



Fire Safety Class A
IEC61730
UL1703

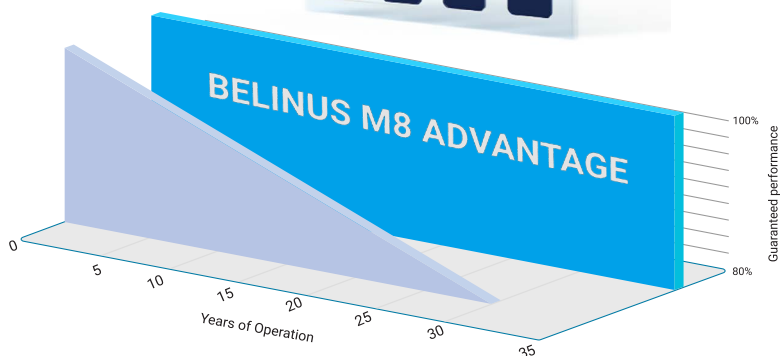
50% Transparency

220 W

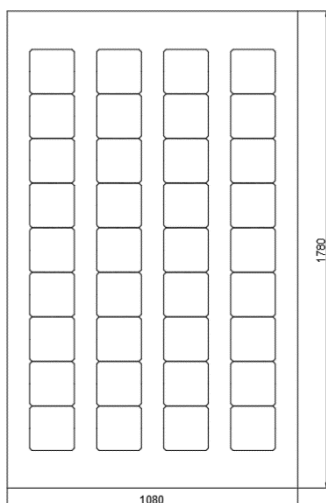
114 W/m²

LLOYD'S

Underwriters



Technical Characteristics



Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	42°C (±2°C)
Temperature Coefficient of Pmax	-0.290 %/°C
Temperature Coefficient of Voc	-0.246 %/°C
Temperature Coefficient of Isc	+0.046 %/°C

Packaging Information

Container	40'HC
Pieces per pallet	16
Pallets per container	24
Pieces per container	384

Mechanical Characteristics

Laminate Structure	Glass/ POE/ Cells/ POE/ Glass
Cell Type	N - Type IBC 166 x 83 mm
Cell Connection	72(4x18)
Module Dimensions	1780 x 1080 x 8 mm
Weight	35±0.5 kg
Junction Box	Degree of protection IP68
Output Cable	4mm², 300mm with MC4
Connectors Type	Stäubli MC4
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Real Load	2400 Pa
Glass Thickness	3.2mm toughened glass x 2

Electrical Characteristics









Maximum Power (Pmax)	220W	(10% back gain) 242W
Max Module Efficiency(%)	11.4%	12.54%
Voltage at Max Power (Vmp)	42.8V	
Current at Max Power (Imp)	5.14A	
Open Circuit Voltage (Voc)	50.0V	
Short Circuit Voltage (Isc)	5.5A	
Operating Module Temperature	-40 to +85°C	
Maximum System Voltage	DC1500V	
Maximum Series Fuse	20A	
Rating Power Sorting	0~+5W	

*STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5; Best in Class AAA solar simulator used, power measurement uncertainty is within +/- 3%.



Belinus Ultra Black N-Night IBC All-In-One Warranty

Conventional Solar Panel Warranty

Service Warranty	35 years	
Shipping - new part		
Shipping - old part		
Intallation		
Product Warranty	35 years	10 years
Power Warranty		
Start point	100%	97%
Yearly decline	0%	0.7%
End point (25 years)	100%	80%
End point (35 years)	100%	

Qualifications and certificates



Certificates available upon special requests.
Additional charges may apply.

Both the Belinus solar cells and solar modules are made by suppliers in the Bloomberg Tier 1 List.

BE-DSH2022 V1

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