

M8 HJT

GlasGlasBifacial

480W | 490W



High Efficiency | Low Temperature
Co-Efficiency



HJT Cells up to 25% cell efficiency



85% - 90% Bifacial efficiency for up
to 10% additional power for free



Low light performance



European Components and Quality
Control Practice



35 Years All-inOne Warranty including
shipping, reverse shipping, and
labor costs

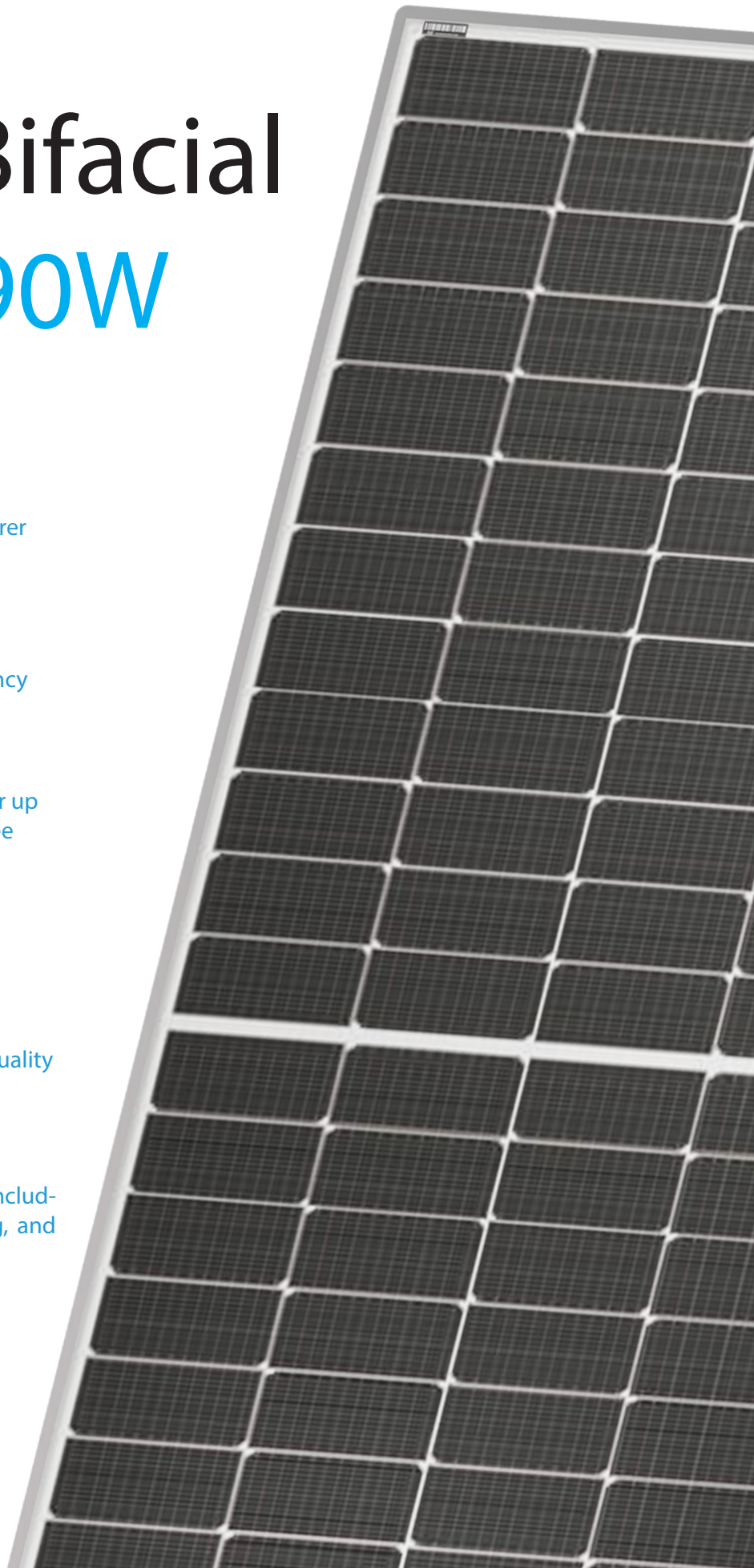
Belinus Solar BV

Thor Park 8300

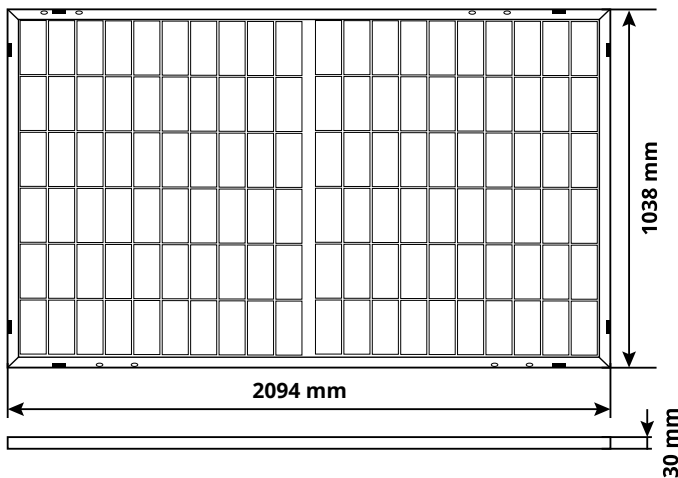
3600 Genk

Belgium

www.belinus.be



Technical Characteristics



Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Temperature Coefficient of Pmax	-0.25 %/°C
Temperature Coefficient of Voc	-0.23 %/°C
Temperature Coefficient of Isc	0.04 %/°C

Packaging Information

Container	40'HC
Pieces per pallet	35
Pallets per container	22
Pieces per container	770

Mechanical Characteristics

Laminate Structure	Glass/ POE/ Cells/ POE/ Glass
Cell Type	HJT Mono 166 x 83 mm
Cell Connection	144 (72x2)
Module Dimensions	2094 x 1038 x 30 mm
Weight	27.5kg
Junction Box	Degree of protection IP68
Output Cable	4mm ² , 200mm in length
Connectors Type	Staubli MC4
Frame	Anodised Aluminum Alloy
Encapsulant	POE
Front Load	5400 Pa
Real Load	2400 Pa
Glass Thickness	(F) 2.0mm DLAR Solar glass (B) 2.0mm Solar glass

Electrical Characteristics (STC*)

	Front	Extra Power (depends on the % of the reflected light on the back)		
Light source (%)	100	10	20	30
Maximum Power (Pmax)	480W	528W	576W	624W
Max Module Efficiency (%)	22.1	24.3	26.5	28.7
Voltage at Max Power (Vmp)	46.1V	50.7V	55.3V	59.9V
Current at Max Power (Imp)	10.5A	11.6A	12.6A	13.7A
Open Circuit Voltage (Voc)	53.7V	59.1V	64.4V	69.8V
Short Circuit Voltage (Isc)	10.8A	11.9A	13.0A	14.0A
Operating Module Temperature	-40 to +85°C			
Maximum System Voltage	DC1500V			
Maximum Series Fuse	20A			
Rating Power Sorting	0~+5W			
Bifaciality (%)	90			

*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 HJT All-In-One Warranty

Leading N-type TopCon Warranty

Service Warranty	35 years	⊗
Shipping - new part	✓	⊗
Shipping - old part	✓	⊗
Intallation	✓	⊗
Product Warranty	35 years	15 years
Power Warranty		
After one year	98%	97%
Yearly decline	0.29%	0.4%
End point (30 years)	92%	87%
End point (35 years)	90%	⊗

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.

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