

## NOVA 60 Glass-Glass | HJT technology

400 Wp - 220 W/m<sup>2</sup>

Efficient under the toughest conditions



### High bifacial factor

The HJT technology is the most efficient in using reflected sunlight from the surface underneath, which can significantly increase the power output.



### Low chance at micro-cracks

HJT cells are thinner and therefore more flexible and less susceptible to micro-cracks.



### Low temperature coefficient

With a low temperature coefficient this panel loses just a low percentage of efficiency when the cell temperature rises above 25°C.



### High performances under low light

Thanks to an added thin layer of amorphous silicon, HJT cells only need a little bit of sunlight to start producing electricity. This makes them ideal for cloudy climates.



### Ultra black

The black cells, black frame, black spacings and matt finish make this panel a true aesthetic enhancement for your roof. Only the darkest cells are selected to use in our panels.



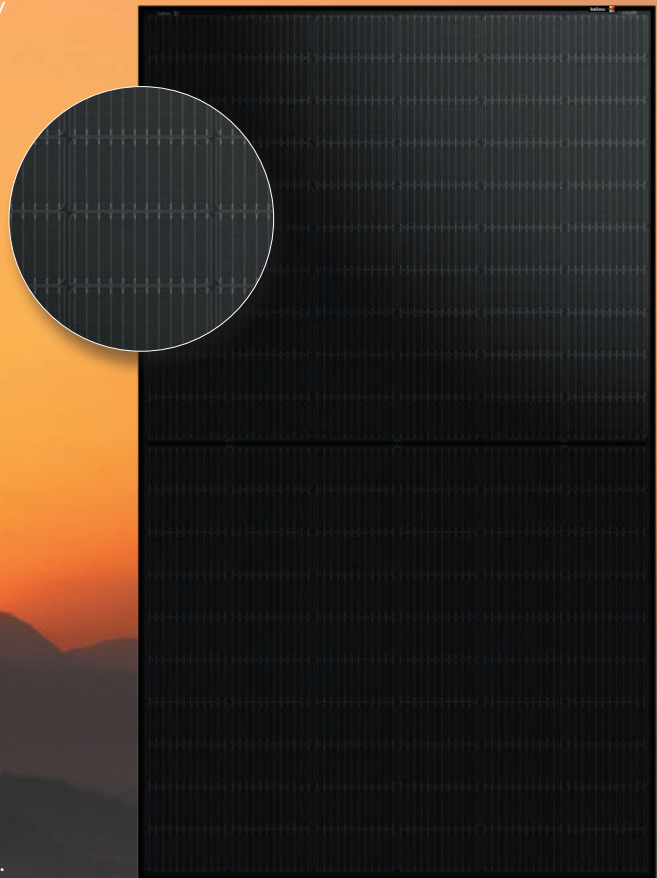
### Glass-Glass

Glass at the front and at the rear for a longer longevity, lower degradation and less chance of micro-cracks. They are also more weather-, water- and fire-resistant and contain no PFAS.

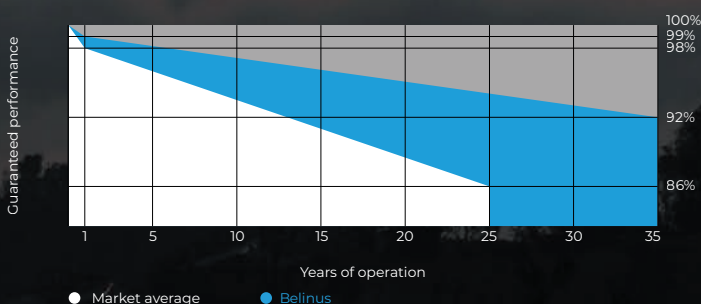


### Belgian quality

Designed and engineered in the heart of Europe using only parts that meet the highest European requirements for quality and safety.



### Degradation



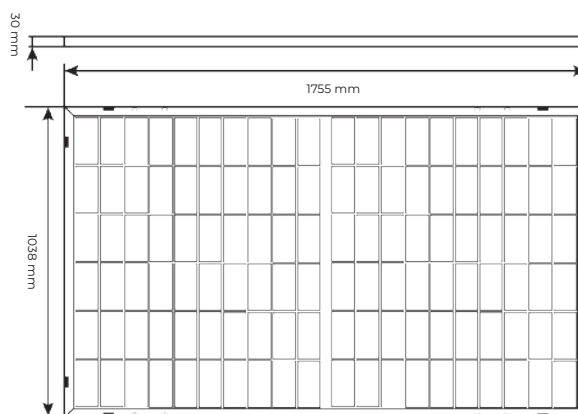
**LLOYD'S**  
Underwriters

For more information visit [www.belinus.com/warranty](http://www.belinus.com/warranty)

## Mechanical characteristics

Dimensions	1755 x 1038 x 30 mm ± 1.5 mm (1.82 m <sup>2</sup> )
Weight	23.5 kg
Cell technology	Heterojunction (HJT)
N° of cells	120 (6 substrings of 20 half-cut cells)
Cell size	166 x 166 mm
Bifaciality factor	90% (± 5%)
Front cover	2.0 mm tempered solar glass with DLAR coating
Back cover	2.0 mm tempered solar glass
Spacings transparency	Not transparent, full black
Frame	Black anodized aluminium alloy
Junction boxes	3 with 1 bypass diode per box, IP 68
Output cables	4 mm <sup>2</sup> 1200 mm
Connectors	Stäubli MC4 Evo-2

## Technical characteristics



## Electrical characteristics<sup>1</sup>

Power (P <sub>max</sub> ) <sup>2</sup>	390 Wp	395 Wp	400 Wp
Module power density	214 W/m <sup>2</sup>	217 W/m <sup>2</sup>	220 W/m <sup>2</sup>
Module efficiency %	21.4 %	21.7 %	22.0 %
Voltage at max. power [V <sub>mpp</sub> ]	38.1 V	38.3 V	38.4 V
Current at max. power [I <sub>mpp</sub> ]	10.2 A	10.3 A	10.4 A
Open circuit voltage [V <sub>oc</sub> ]	44.8 V	45.0 V	45.2 V
Short circuit current [I <sub>sc</sub> ]	10.9 A	11.0 A	11.0 A
Bifaciality performance increase	10% (P <sub>mpp</sub> )	425.1 Wp	430.6 Wp
	20% (P <sub>mpp</sub> )	460.2 Wp	466.1 Wp
	30% (P <sub>mpp</sub> )	495.3 Wp	501.7 Wp

<sup>1</sup>Measured under standard test conditions (STC): 1000 W/m<sup>2</sup> irradiance, 25°C cell temperature, AM=1,5 and rear side covered for monofacial measurement.

<sup>2</sup>Power class sorting tolerance: 0 to +5W.

## Specifications for system design

Maximum system voltage	1500 V
Maximum reverse current	20 A
Max. test load snow/wind	5400 Pa/-2400 Pa
Impact resistance	Ø 45 mm hail at 23 m/s
Safety class	II
Fire class	Class A according to UL790
Operating temperature	-40 to 85°C

Warranty	Belinus	Market Average
Product	35 years	12-15 years
Performance	35 years	25 years
Service	35 years	0 years

## Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C	Temperature coefficient of V <sub>oc</sub>	-0.23%/C°
Temperature coefficient of P <sub>max</sub>	-0.24%/C°	Temperature coefficient of I <sub>sc</sub>	+0.04%/C°

## Packaging information

Container	40'HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936

## Certificates and tests



Residential



Commercial



Industrial

Product reference: M8-HJT-UB-GG-xxx

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Publication date and version: 2023-12-18 GLv1

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