

## NOX 60 Glass-Glass | IBC technology

400 Wp - 223 W/m<sup>2</sup>

Who said solar panels can't be beautiful?



### No silver lines

No contacts on the frontside of the cells for a clean, minimalistic design and more surface to absorb solar energy.



### Low efficiency loss

No contacts at the front also means less chance of overheating. The result? A qualitative and longlasting panel.



### Bifacial module

Bifacial modules not only generate electricity from sunlight on their front sides but also from reflected light on their rear sides, increasing overall energy yield.



### 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.



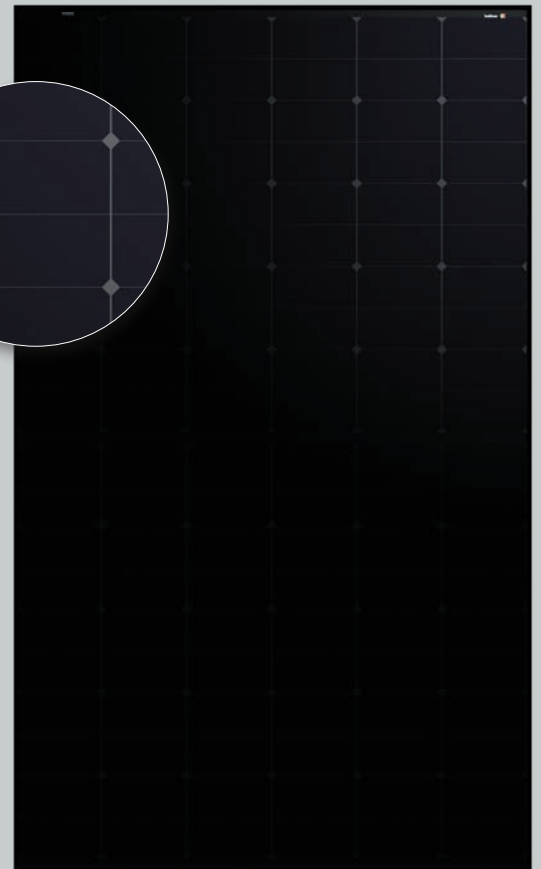
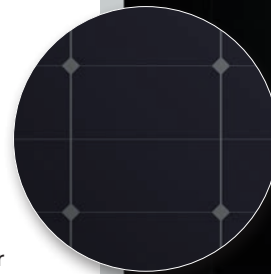
### Glass-Glass

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.

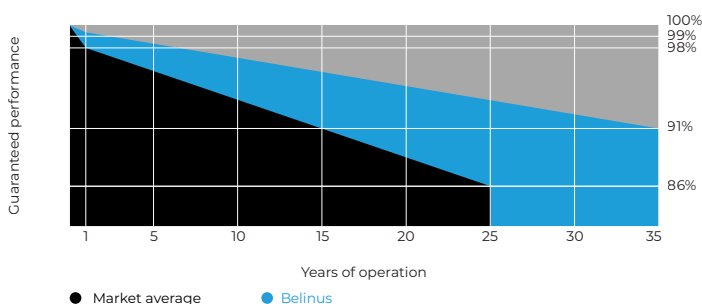


### Belgian quality

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



### Degradation



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

## Mechanical characteristics

Dimensions	1727 x 1039 x 30 mm ± 1.5 mm (1.79 m <sup>2</sup> )
Weight	23.5 kg
Cell technology	Interdigitated Back Contact (IBC)
N° of cells	120 (6 substrings of 20 half-cut cells)
Cell size	166 x 166 mm
Bifaciality factor	80% (± 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

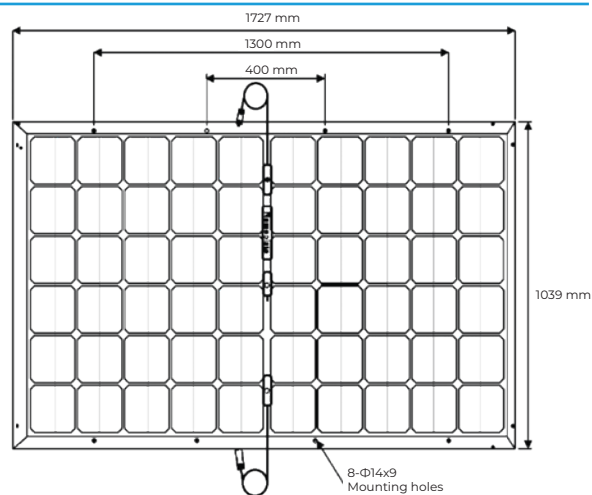
## Electrical characteristics<sup>1</sup>

Power (P <sub>max</sub> ) <sup>2</sup>	390 Wp	395 Wp	400 Wp
Module power density	217 W/m <sup>2</sup>	220 W/m <sup>2</sup>	223 W/m <sup>2</sup>
Module efficiency %	21.7 %	22.0 %	22.3 %
Voltage at max. power [V <sub>mpp</sub> ]	35.7 V	35.9 V	36.1 V
Current at max. power [I <sub>mpp</sub> ]	10.9 A	11.0 A	11.1 A
Open circuit voltage [V <sub>oc</sub> ]	41.9 V	42.0 V	42.1 V
Short circuit current [I <sub>sc</sub> ]	11.8 A	11.9 A	12.0 A
Bifaciality performance	421.2 Wp	426.6 Wp	432.0 Wp
10% (P <sub>mpp</sub> )			
20% (P <sub>mpp</sub> )	452.4 Wp	458.2 Wp	464.0 Wp
30% (P <sub>mpp</sub> )	483.6 Wp	489.8 Wp	496.0 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.

## Technical characteristics



## 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>	-0.24%/C°
Temperature coefficient of P <sub>max</sub>	-0.28%/C°	Temperature coefficient of I <sub>sc</sub>	+0.04%/C°

## Packaging information

Container	40'HC
Pieces per pallet	35
Pallets per container	26 (+ 39 extra pcs)
Pieces per container	949

## Certificates and tests

IEC 61215\*, IEC 61730\*



Residential



Commercial



Industrial

\*Certificates are pending for M8-IBC-GG-400.

Product reference: M8-IBC-GG-xxx/BE-M8-IBC-60-UB-GG-XXX

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