

## HYPERION DOUBLE GLASS

410 Wp | 210 W/m<sup>2</sup>

Solid and black



### Bifacial cells

By using an open grid structure, the back of the cells are not covered and can also absorb the reflected sunlight from the surface underneath.



### High efficiency

Maximize your return with a minimum surface of solar panels. Enjoy more energy output per m<sup>2</sup>.



### Black beauty

The black cells, black frame, black spacings and matt finish make this panel a true aesthetic enhancement for your roof top.



### Glass-glass

Glass at the front and at the back for a longer longevity and better resistance to hail, snow or storm.

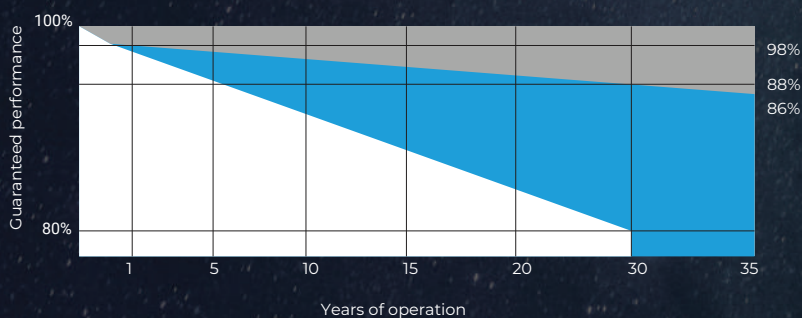


### PFAS free

Our solar panels do not contaminate the environment with PFAS because we care about our planet.



### Belinus warranty



35-year warranty on product, performance and service.  
For more information visit [www.belinus.com/warranty](http://www.belinus.com/warranty).

Mechanical characteristics

Dimensions	1722 x 1134 x 30 mm ± 1.5mm (1,953 m²)
Weight	23 kg
Cell type	PERC bifacial
N° of cells	54 x 2 (half-cut)
Cell size	182 x 182 mm
Front cover	2.0 mm tempered solar glass with DLAR coating
Back cover	2.0 mm tempered solar glass
Encapsulant	2 x Polyolefin Elastomer (POE)
Spacings transparency	Not transparent with black tape
Frame	Black anodized aluminium alloy
Junction boxes	IP68
Output cables	4 mm² 1200 mm
Connectors	Stäubli MC4 Evo-2

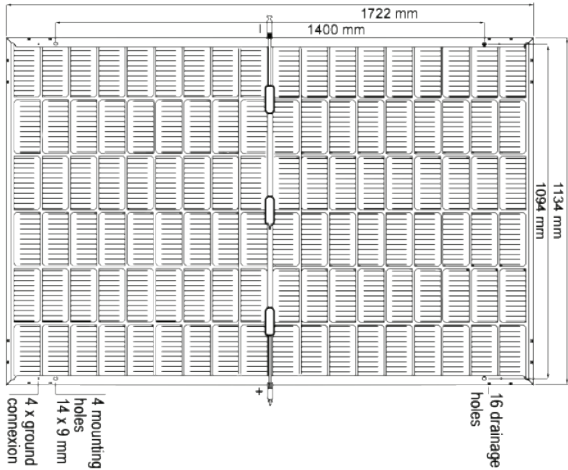
Electrical characteristics¹

Power (Pmax)²		400 Wp	405 Wp	410Wp
Power Density		205 W/m²	208 W/m²	210 W/m²
Module efficiency %		20.5%	20.8%	21.0%
Voltage at max. power (Vmpp)		31,1 V	31,4 V	31,6 V
Current at max. power (Impp )		12,9 A	12,9 A	13,0 A
Open circuit voltage (Voc)		37,1 V	37,3 V	37,5 V
Short circuit current (Isc )		13,8 A	13,8 A	13,9 A
Bifaciality performance increase	10% (Pmpp)	432 Wp	437 Wp	442 Wp
	20% (Pmpp)	464 Wp	469 Wp	474 Wp
	30% (Pmpp)	496 Wp	501 Wp	506 Wp

¹Measured under standard test conditions (STC): 1000 W/m² irradiance, 25°C module temperature, AM=1,5 and rear side covered for monofacial measurement.

²Power class sorting tolerance: 0 to +5W

Technical characteristics



Specifications for system design

Maximum system voltage	1500 V
Overcurrent protection rating	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

Temperature characteristics

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C	Temperature coefficient of V <sub>oc</sub>	-0,27%/C°
Temperature coefficient of P <sub>max</sub>	-0,31%/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

IEC 61215, IEC 61730



Model name: BE-M7-UB-GG-(400-410)

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