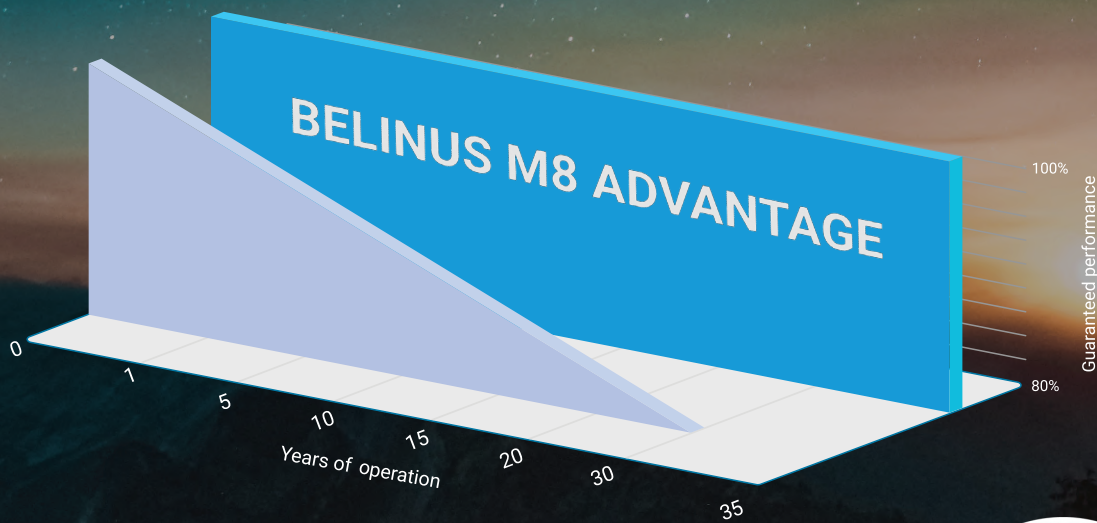
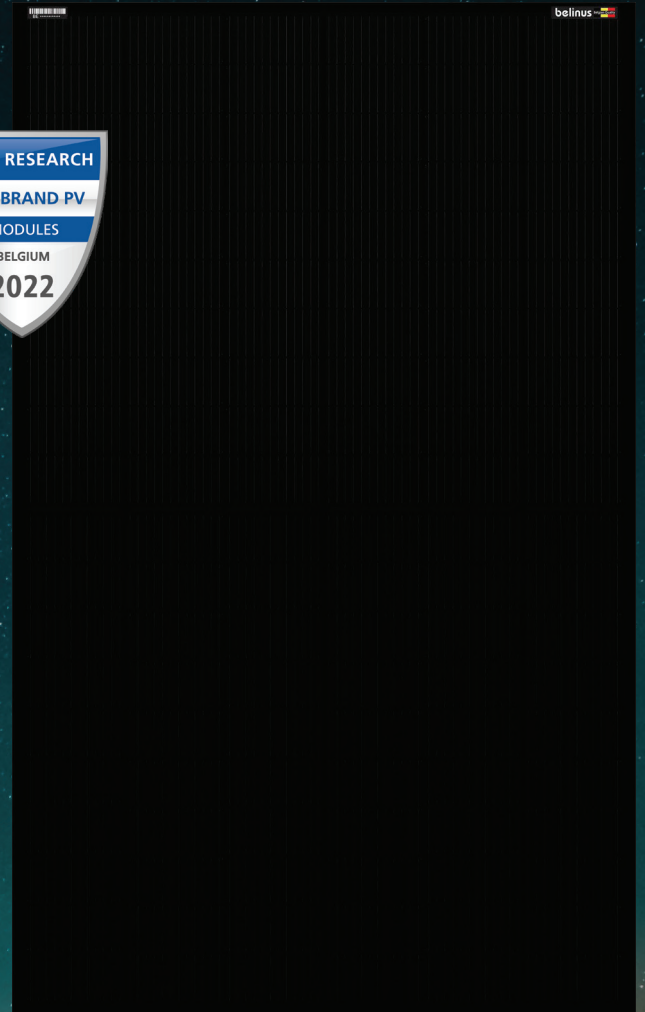


M8 HJT Black Double Glass

Heterojunction technology
90% bifaciality



400 W_P

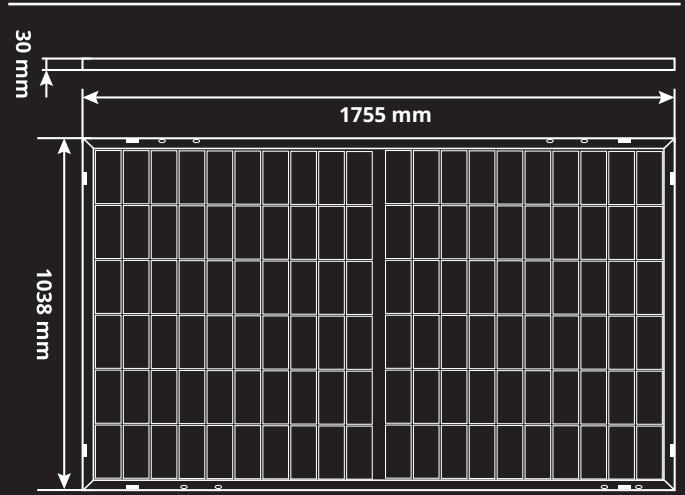
220 W_p / M²



Mechanical characteristics

Laminate structure	Glass - POE - cells - POE - glass
Cell type	HJT Mono 166 x 83 mm
Cell connection	120 (60x2)
Module dimensions	1755 x 1038 x 30 mm
Weight	23.5kg
Junction box	Degree of protection IP68
Output cable	4mm ² , 1200mm in length
Connectors type	Stäubli 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

Technical characteristics



Electrical characteristics (STC*)

	Front	Extra Power (assuming 10% of reflected light to the back)
Maximum power (Pmax)	400W	426W
Max module efficiency(%)	22.0%	23.4%
Voltage at max power (Vmp)	38.4V	37.2V
Current at max power (Imp)	10.4A	11.5A
Open circuit voltage (Voc)	44.7V	44.7V
Short circuit current (Isc)	10.7V	12.1A
Operating module temperature	-40 to +85°C	
Maximum system voltage	DC1500V	
Maximum series fuse	20A	
Rating power sorting	0 to +5W	
Bifaciality (%)	90	

Temperature characteristics

Nominal operating cell temperature (NOCT)	44°C (±2°C)	Temperature coefficient of Voc	- 0.235 %/°C
Temperature coefficient of Pmax	-0.255 %/°C	Temperature coefficient of Isc	0.04 %/°C

Qualifications and certificates



Packaging Information

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

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. Lloyd's reinsurance back-stops the Tier 1 supplier's 15 years product defect warranty and 30 years power output warranty. Belinus self-warrants the rest of the warranties.



Belinus M8 HJT all-in-one warranty

VS

Conventional solar panel warranty

35 years	Service warranty	✗
✓	Shipping - new parts	✗
✓	Shipping - old parts	✗
✓	Installation	✗
35 years	Product warranty	15 years
	Power warranty	
100%	Start point	97%
0%	Yearly decline	0.7%
100%	End point (25 years)	80%
100%	End point (35 years)	✗

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belinus

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