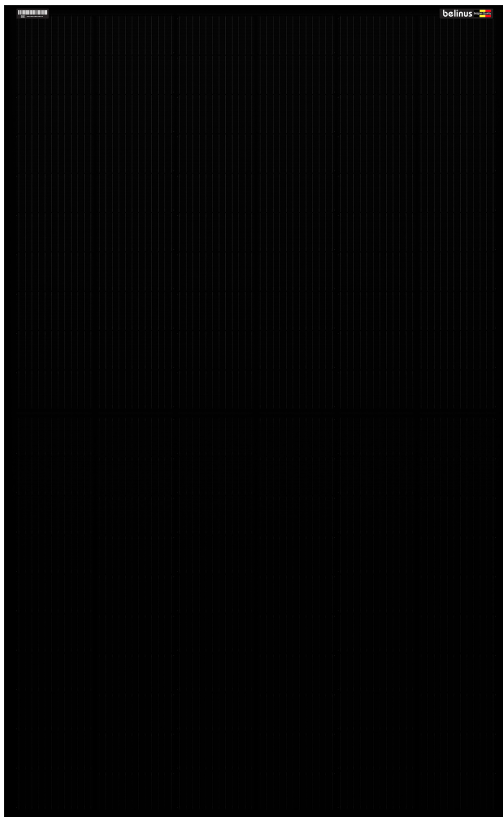


BE.WAFER Ultra Black M7

375-380Wp

Superior Look and Ultra High Performance
Made by Bloomberg Tier 1



PROPRIETARY DUAL COATING PROCESS COMBINED WITH THE 24%+ ULTRA HIGH EFFICIENCY SOLAR CELLS

For superior appearance an additional 5% efficiency



BE.WAFER TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.



EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT

Inclusive 30-year product warranty and 30-year linear performance warranty.

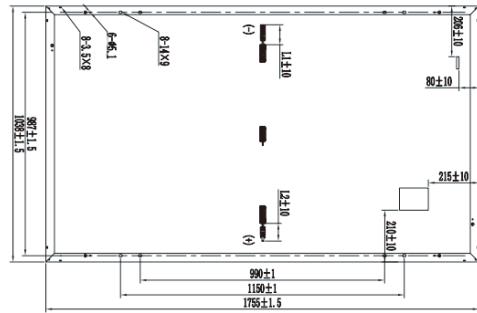


STATE OF THE ART MODULE TECHNOLOGY

BE.WAFER 166 PERK combines cutting edge cell separation and innovative wiring with BE.WAFER Technology.

MECHANICAL SPECIFICATION

Solar Cell	Monocrystalline silicon 166 mm
No. of Cells	120 (6 × 20)
Dimension	1755 × 1038 × 35 mm ± 1.5 mm
Weight	19.5 kg
Front Glass	3.2 mm with dual coating technology
Frame	Anodized aluminium alloy
Output Cables	4.0 mm ² , 1200mm
Junction box	IP68 rated
Connection technology	Stäubli Electrical MC4-connectors



ELECTRICAL CHARACTERISTIC

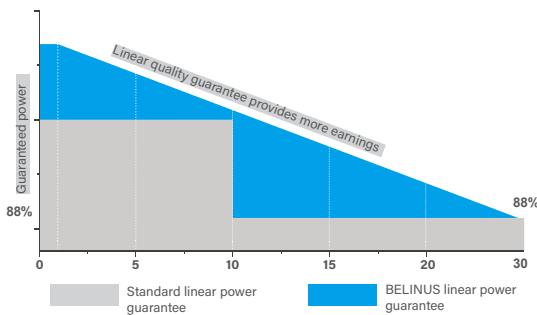
STC	380	375
Maximum Power at STC (Pmax)	380W	375W
Optimum Operating Voltage (Vmp)	34.3V	34.2V
Optimum Operating Current (Imp)	11.09A	10.98A
Open Circuit Voltage (Voc)	41.7V	40.6V
Short Circuit Current (Isc)	11.98A	11.85A
Module Efficiency	20.9%	20.6%
Operating Module Temperature	-40 °C to +85 °C	
Maximum System Voltage	1500 V DC (IEC)	
Maximum Series Fuse Rating	20 A	
Power Tolerance	0 / + 5 W	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%

NMOT		
Maximum Power at NMOT (Pmax)	281W	278W
Optimum Operating Voltage (Vmp)	32.4V	32.3V
Optimum Operating Current (Imp)	8.67A	8.61A
Open Circuit Voltage (Voc)	39.4V	39.3V
Short Circuit Current (Isc)	9.67A	9.57A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

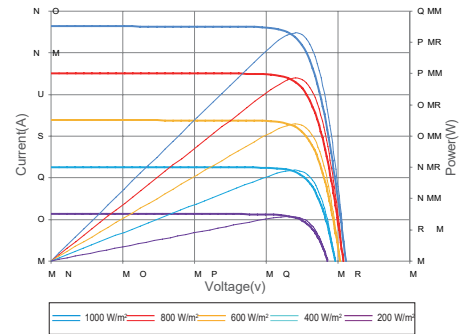
BELINUS PRODUCT GUARANTEE



At least 98 % of nominal power during first year. Thereafter max. 0.4 % degradation per year. At least 88 % of nominal power up to 30 years.

All data within measurement tolerances.

CURRENT-VOLTAGE&POWER-VOLTAGE CURVE (370S)



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature (NMOT)	45 °C	Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Pmax	-0.37 %/°C	Temperature Coefficient of Isc	0.05%/°C

QUALIFICATIONS AND CERTIFICATES

IEC 61215, IEC 61730 conformity to CE



PACKAGING INFORMATION

Container	40'HC
Pieces per pallet	33
Pallets per container	26
Pieces per container	858

Note: Both the Belinus solar cells and solar modules are made by suppliers in the 2021 Bloomberg Tier 1 List

BE-DSH2021 V4

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Generate By

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Designed and Engineered in Belgium

belinus[®]