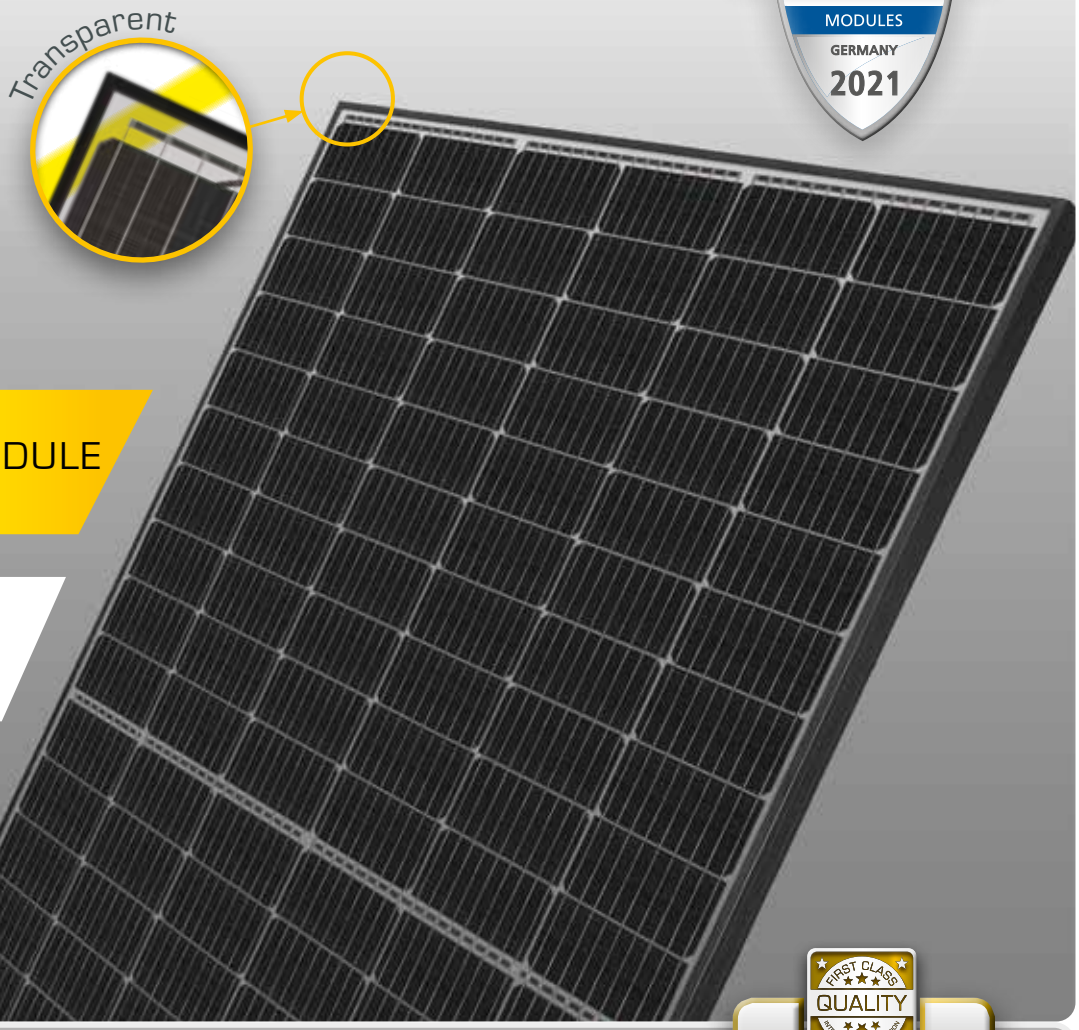
solar fabrik

Solar Modules
MONOCRYSTALLINE

EUPD RESEARCH
TOP BRAND PV
MODULES
GERMANY
2021



DOUBLE-GLASS MODULE

BIFACIAL HALFCUT TECHNOLOGY

ZERTIFIZIERT
FEUERSCHUTZ-KLASSE A

FIRST CLASS QUALITY

MONO S3 Innovation 9BB

360 W • 365 W

- High efficiency, high safety, high reliability
- Highly transparent self-cleaning glass
- Bifacial cells - up to 30% higher energy yield due to transparent reverse side
- Resistant to environmental influences: Passed salt mist & ammonia test
- 9-busbar-technology
- German warranty

Product warranty 30 YEARS 30 Performance warranty

Mono S3 - Double-Glass

Electrical data under STC (Standard Test Conditions: 1000 W/m². 25 °C. AM 1.5)

Rated power	P_{max}	360 W	365 W
Sorting limits of performance		0/+3 %	0/+3 %
Voltage	U_{MPP}	33.67 V	33.82 V
Open circuit voltage	U_{OC}	41.42 V	41.57 V
Current	I_{MPP}	10.70 A	10.80 A
Short-circuit current	I_{SC}	11.12 A	11.22 A
Efficiency		19.76 %	20.04 %

Temperature data

Operating temperature		- 40° C ~ + 85° C
Nominal operating cell temperature		42° C ± 3° C
Operating humidity		5 ~ 85 %
Power temperature coefficient	$T_K (P_{MPP})$	- 0.328 %/K
Voltage temperature coefficient	$T_K (U_{OC})$	- 0.256 %/K
Current temperature coefficient	$T_K (I_{SC})$	0.0487 %/K

Further information

Number of cells	120 bifacial monocrystalline half cells (6 x 20)
Size of cell	166 x 83 mm
Module dimensions	1755 x 1038 x 35 mm
Type of Frame	Anodized aluminium alloy
Max. system voltage	1500 V
Reverse current loading capability	25 A
Glass thickness	Frontside/Backside: 2 mm/2 mm
Weight	approx. 24.0 kg
Module connection	MC4 compatible, 4.0 mm², cable length: (+) ≥ 1200 mm, (–) ≥ 1200 mm
Junction box rating	IP68
Allowable Hail Load	25 mm iceball with velocity of 23 m/s
Snow load	5400 Pa ≙ 540 kg/m²

30-year product warranty, 30-year linear performance warranty according to our additional warranty conditions for solar power modules of the "Mono S3" product series, which we will gladly send you.

Due to the tolerance of the anti-reflective coating, colour differences in the All Black modules may occur.

Subject to technical modifications with corresponding follow-up certifications. Errors excepted. Illustration similar.

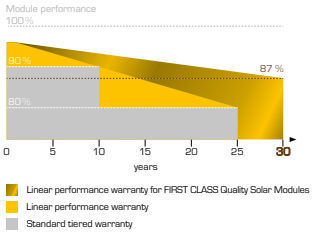
Packaging Specifications

Truck

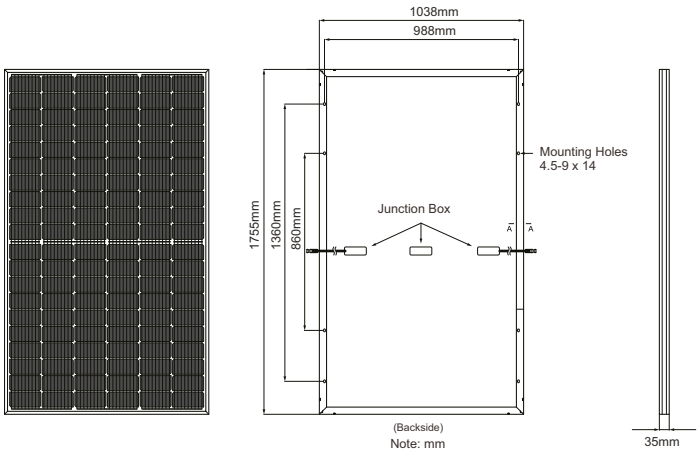
Dimension pallet (L/W/H)	180.5/113/117.5 cm
Weight pallet	approx. 779 kg
Modules per pallet	31
Modules per truck	868

Shipment

Dimension pallet (L/W/H)	180.5/113/117.5 cm
Weight pallet	approx. 779 kg
Modules per pallet	31
Modules per container [40' HC]	806



Mono S3 Innovation - Double-Glass



Note:
Ensure correct polarity!

Your specialist dealer:

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Valid as of: 10.01.2022 / Document No.: 1119-M11-4.1.1-S3-E