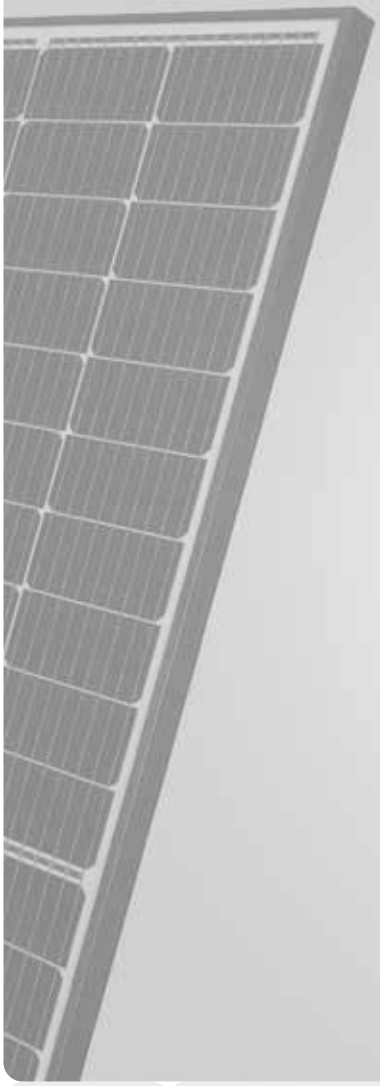
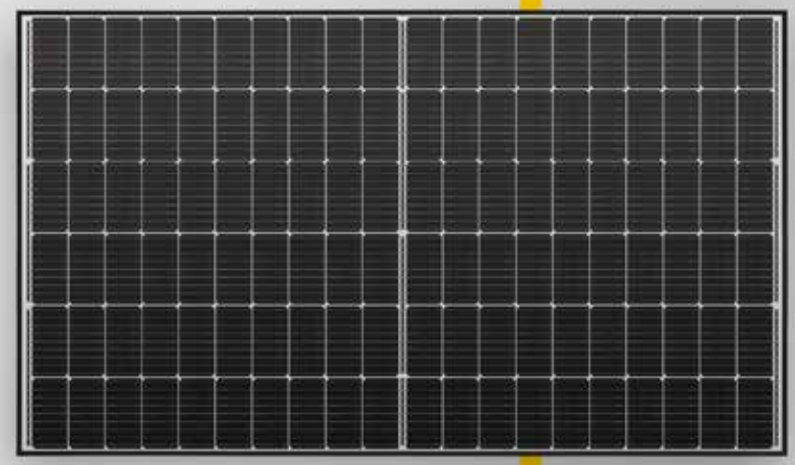
solar fabrik

# Solar Modules
MONOCRYSTALLINE



EUPD RESEARCH
TOP BRAND PV
MODULES
GERMANY
2022

TIER 1
BloombergNEF
*Q4 2022



MONO S3
Half-Cell-Module
Black-White-Module

MBB

CLASSIC QUALITY

Product warranty 15 YEARS
Performance warranty 25

## MONO S3 - Halfcut

370 W ▪ 375 W ▪ 380 W

- Half cell modules - High efficiency, high safety, high reliability
- Highly transparent self-cleaning glass
- High performance under low light conditions
- Resistant to environmental influences: Passed salt mist & ammonia test
- Area utilization 205.85 W/m² at 375 W
- Multibusbar-technology
- German warranty

# *Mono S3* - Halfcut

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

| | | | | |
|---|---|---|---|---|
| Rated power | $P_{max}$ | 370 W | 375 W | 380 W |
| Sorting limits of performance | | 0/+3 % | 0/+3 % | 0/+3 % |
| Voltage | $U_{MPP}$ | 33.95 V | 34.10 V | 34.24 V |
| Open circuit voltage | $U_{OC}$ | 41.72 V | 41.89 V | 42.06 V |
| Current | $I_{MPP}$ | 10.91 A | 11.01 A | 11.11 A |
| Short-circuit current | $I_{SC}$ | 11.32 A | 11.43 A | 11.52 A |
| Efficiency | | 20.31 % | 20.59 % | 20.86 % |

## Temperature data

| | | |
|---|---|---|
| Operating temperature | | - 40° C ~ + 85° C |
| Nominal operating cell temperature | | 45 ± 2° C |
| Power temperature coefficient | $T_K (P_{MPP})$ | - 0.328 %/K |
| Voltage temperature coefficient | $T_K (U_{OC})$ | - 0.265 %/K |
| Current temperature coefficient | $T_K (I_{SC})$ | 0.0487 %/K |

## Further information

| | |
|---|---|
| Number of cells | 120 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 | 20 A |
| Glass thickness | 3.2 mm |
| Weight | about 19.5 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 ≙ 550 kg/m² |

15-year product warranty, 25-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.

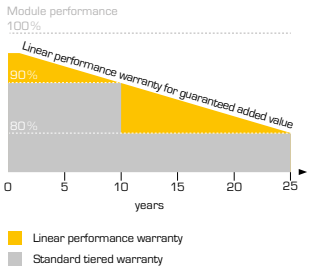
## Packaging Specifications

### Truck

| | |
|---|---|
| Dimension pallet (L/W/H) | 180/113/121 cm |
| Weight pallet | approx. 635 kg |
| Modules per pallet | 31 |
| Modules per truck | 868 |

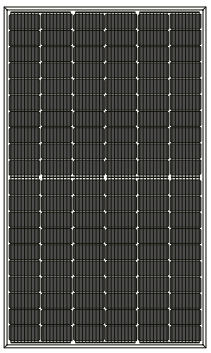
### Shipment

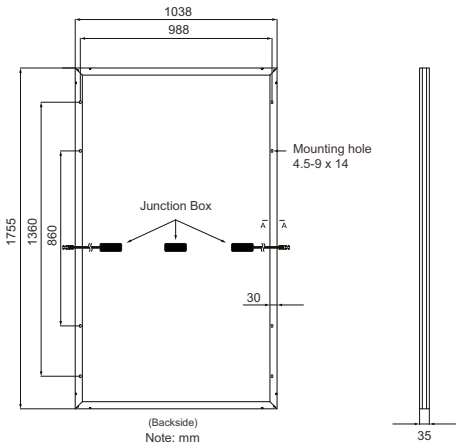
| | |
|---|---|
| Dimension pallet (L/W/H) | 180/113/121 cm |
| Weight pallet | approx. 635 kg |
| Modules per pallet | 31 |
| Modules per container [40' HC] | 806 |






*Mono S3* - Halfcut
(half cell module)






**Note:**
Ensure correct polarity!

Your specialist dealer: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