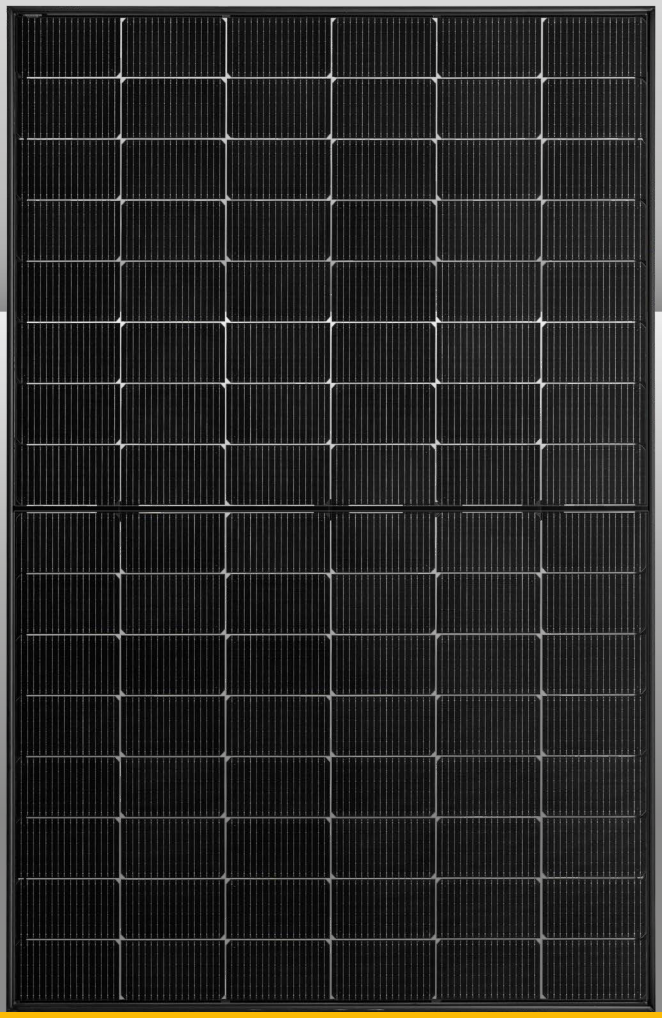
BAUER SOLAR

BAUER SOLARTECHNIK

# GLASS-GLASS PURE

## BS-96G12HBT-GG 470 - 480 W



GENERATION N-TYPE G12

engineered & designed in GERMANY

BAUER SOLARTECHNIK

# BAUER GUARANTEE +

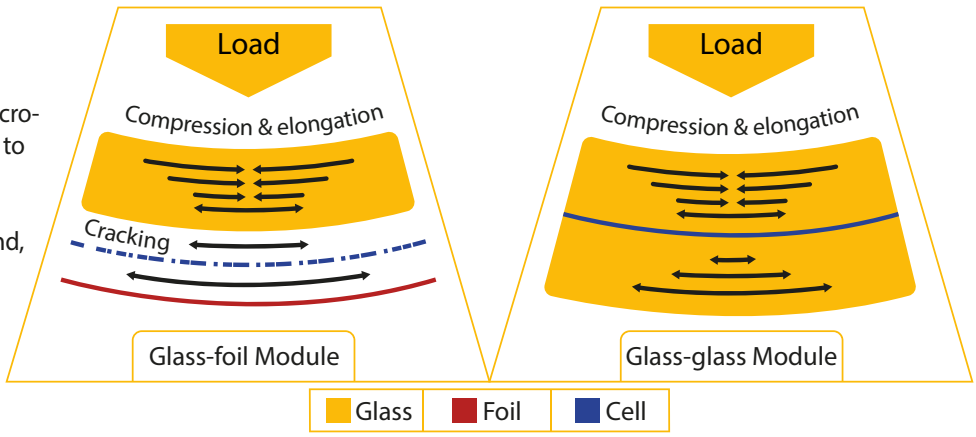
## COMPREHENSIVE PROTECTION FOR SYSTEM OPERATORS

Our extended guarantee covers the module guarantee and a fixed-sum compensation for any replacement of a defective module (Guarantee conditions as of 2026/06/01).

## AVOID MICROCRACKS

In glass-foil modules, stress causes micro-cracks to form in cells, which can lead to performance losses in the long term.

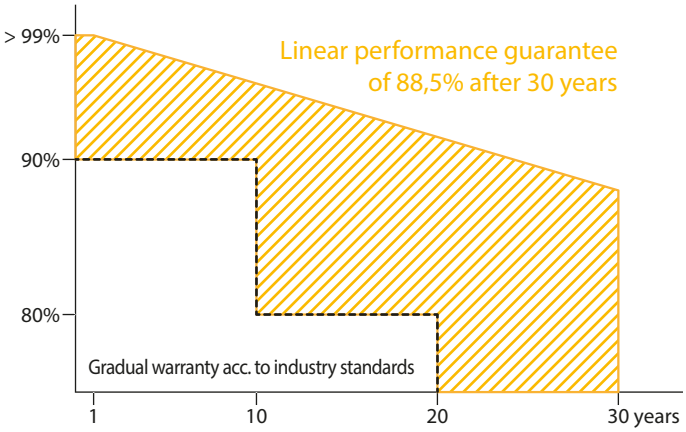
Glass-glass modules, on the other hand, distribute pressure and tensile forces more evenly, significantly reducing the risk of microcracks.




## LINEAR PERFORMANCE GUARANTEE

**BAUER** guarantees a minimum performance value of 88,5% after 30 years for glass-glass solar modules.

The guaranteed value of **BAUER** glass-glass solar modules as illustrated in the shown graphic compared to conventional glass-foil modules according to industry standards:




## FIRE CLASS A

Maximum fire protection through double glazing according to the highest security requirements

## STABILITY & DURABILITY

2 x 2 mm tempered anti-reflective solar glass: dirt-repellent, scratch-resistant, durable and shock-proven

## BIFACIAL N-TYPE TOPCON HALF-CELLS

Up to 30% increase in yield through bifacial cells active on both sides and a transparent backside

## GERMAN GUARANTOR

It is guaranteed that a German company takes over any claim settlements, if necessary.

## PERFORMANCE GUARANTEE

30 year warranty and a linear performance guarantee over a period of 30 years

## REINSURANCE COVERAGE

BAUER is reinsured for 30 years of the product's perfomance guarantee

DISTRIBUTION

BAUER Solar GmbH • Hinter der Mühl 2 • 55278 Selzen +49 (0) 6737 - 8081-60 info@bauer-solar.de bauer-solar.de

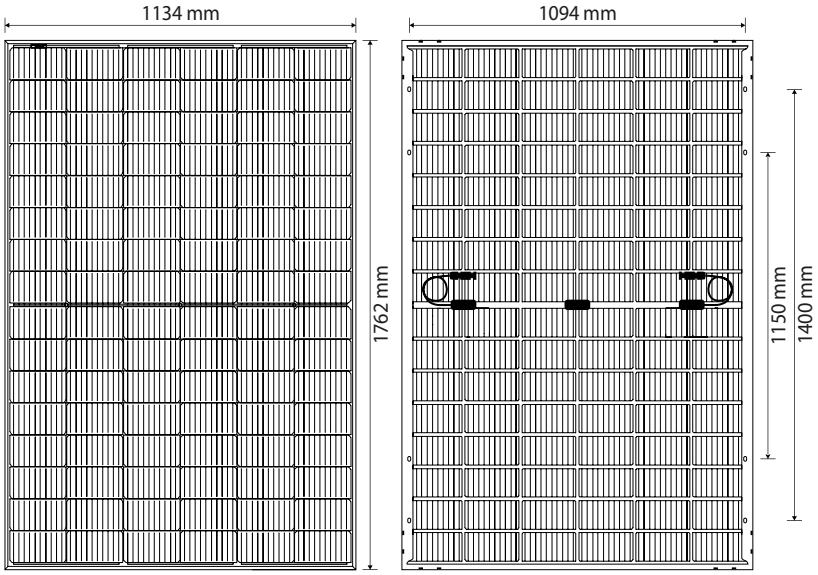
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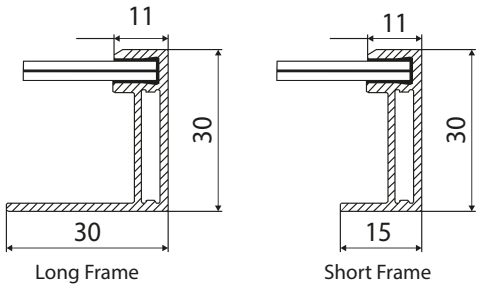
# GLASS-GLASS PURE

BS-96G12HBT-GG 470 - 480 W

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Our company has an excellent solvency.
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www.creditreform.de/crefozert




## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| Module dimensions | 1762 x 1134 x 30 mm |
| Weight | 24,0 kg |
| Frame | Anodized aluminium alloy (black) |
| Frontside | Premium Protect anti-reflection glass, 2 mm |
| Embedding material | EVA |
| Backside | Premium Protect glass, 2 mm |
| Solar cells | 96 monocrystalline N-type bifacial half-cells |
| Bifaciality | 80 % ± 5 % |
| Junction box(es) | IP68, 3 bypass diodes |
| Cable & connector | 1x4 mm², 1300 mm, Stäubli MC4/EVO2A |

## WARRANTIES[1]

| |
|---|
| 30 years product warranty |
| 30 years performance guarantee |

## OPERATING CONDITIONS

| | | |
|---|---|---|
| Operating temperature | | -40 to 85°C |
| Static load | | up to 6100 Pa |
| Hail test | HW3 | Ø 30 mm at ~ 24 m/s |

## CERTIFICATION

| |
|---|
| IEC 61215, IEC 61730, Fire class A acc. IEC 61730-2 |
| IEC 61701 (Salt mist), IEC 62716 (Ammonia) |

## PACKAGING

| | |
|---|---|
| Modules per pallet | 36 |
| Pallets/modules per truck | 26/936 |

## ELECTRICAL CHARACTERISTICS[2]

| | | | BS-470-96G12HBT-GG | BS-475-96G12HBT-GG | BS-480-96G12HBT-GG |
|---|---|---|---|---|---|
| Maximum power | | Pmax (W) | 470 | 475 | 480 |
| Power output tolerance | | Pmax (%) | 0 ~ +3 | 0 ~ +3 | 0 ~ +3 |
| Open circuit voltage | | Voc (V) | 36,25 | 36,47 | 36,69 |
| Short circuit current | | Isc (A) | 15,83 | 15,88 | 15,93 |
| Voltage at maximum power | | Vmpp (V) | 30,93 | 31,11 | 31,29 |
| Current at maximum power | | Impp (A) | 15,20 | 15,27 | 15,34 |
| Module efficiency | | ηm (%) | 23,50 | 23,80 | 24,00 |
| Bifaciality performance increase | | | | | |
| Weakly reflective surface | e.g. grass, roof tiles | 10 % Pmpp (W) | 517 (+47) | 523 (+48) | 528 (+48) |
| Well reflecting surface | e.g. sand, light-colored gravel | 20 % Pmpp (W) | 564 (+94) | 570 (+95) | 576 (+96) |
| Highly reflective surface | e.g. ice, snow | 30 % Pmpp (W) | 611 (+141) | 618 (+143) | 624 (+144) |
| Nominal opterating cell temperature | | NOCT (°C) | 42 +/- 2/°C | | |
| Temperature coefficient of Voc | | Tk (Voc) | -0,25 %/°C | | |
| Temperature coefficient of Isc | | Tk (Isc) | +0,048 %/°C | | |
| Temperature coefficient of Pmpp | | Tk (Pmpp) | -0,29 %/°C | | |
| Maximum system voltage DC (TÜV) | | (V) | 1500 | | |
| Maximum series fuse rating | | (A) | 30 | | |

[1]Nominal value is specified in the written warranty conditions. A possible light-induced degradation in performance is not taken into account. [2]Values under Standard Test Conitions (STC): air mass 1,5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (Pmax), ±10 % (Vmax, Impp, VOC, ISC). The beneficiary under the reinsurance policy is soleley BAUER Solar Engineering GmbH. Please contact us to get information on how this insurance coverage benefits you as a customer.
Note: please read the safety instructions and installation manual before using this product. Subject to change.
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DISTRIBUTION

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CrefoZert
Creditreform
Solvency Certificate
2026
Valid until:
7/2027
EXCELLENT SOLVENCY
Bauer Solar GmbH

With the CrefoZert certification, BAUER Solar is among the top 2% of all companies in Germany in terms of financial strength. For you as a customer, this means maximum security, reliability, and a long-term partner you can count on. The certification confirms our stable financial base and sustainable business practices – a guarantee that we will continue to be a reliable partner for you now and in the future.

## THE ENTIRE PACKAGE

- Security thanks to over 20 years of experience in the PV sector
- Growth and prospects with excellent credit rating
- Industry-leading product and performance guarantee
- Maximum yields and reliability thanks to the highest quality
- Individual and customised advice for every area of application

## THE EXPERTISE

OVER 20 YEARS EXPERIENCE

- Industry pioneer since 1985 with over 39 years of company history
- More than 20 years of experience in the photovoltaic industry
- Owner-managed throughout two generations
- More than 4,000 MW of installed and sold module capacity
- 6000 $m^2$ of warehouse space for our international customers

## THE PROMISE

- The latest generation of solar modules with innovative technology
- Strict quality controls and product tests
- Customised solar solutions for all areas of application
- Close, trusting and reliable partnerships
- Availability and punctual deliveries

We have been supplying our international customers with premium solar modules for more than 20 years. As a pioneer in the industry, we are pursuing our path towards sustainable energy generation with conviction and the power of the sun. Today, we are still a family-run company and stand for financial solidity, sustainable growth and close partnerships.







# BAUER SOLAR – RELIABLE LIKE THE SUN