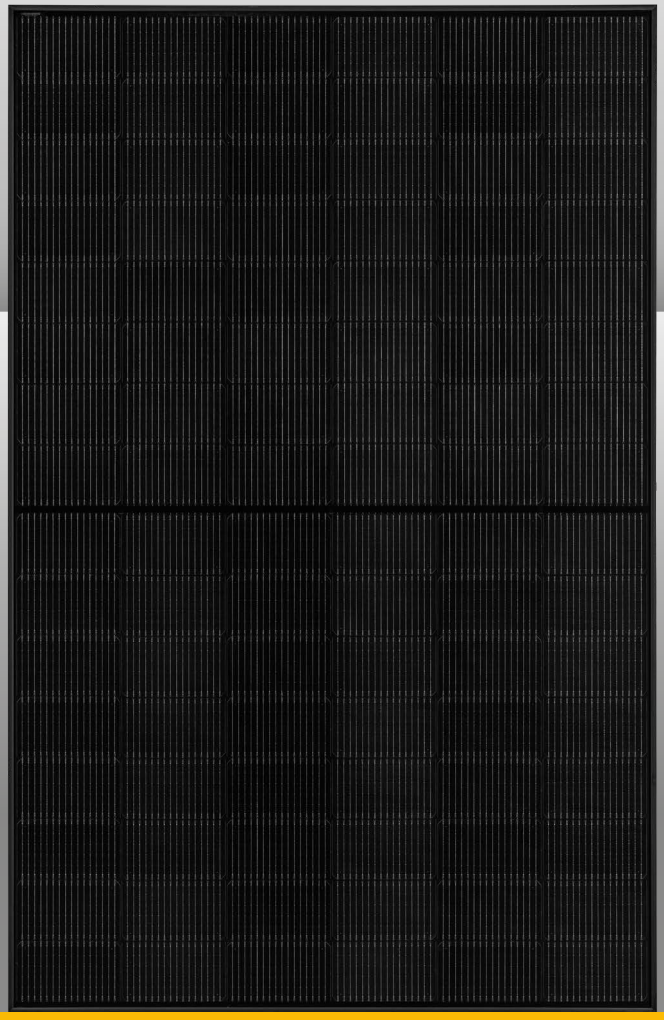
BAUER SOLAR

BAUER SOLARTECHNIK

GLASS-GLASS BLACK

BS-96G12HBB-GG 470 - 480 W



GENERATION N-TYPE G12

engineered & designed in GERMANY

BAUER SOLARTECHNIK

BAUER GUARANTEE +

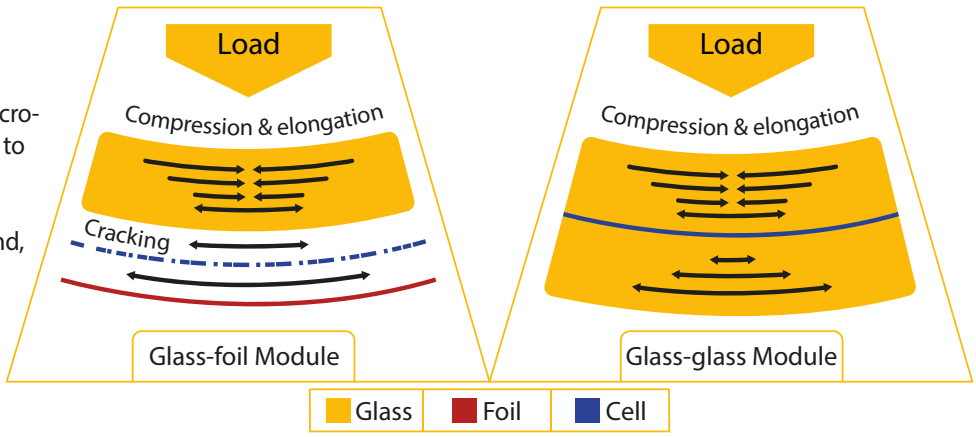
COMPREHENSIVE PROTECTION FOR SYSTEM OPERATORS

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.

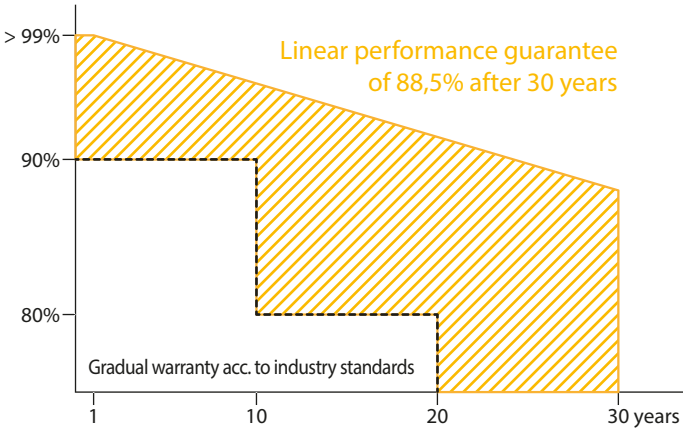
Glass-glass modules, on the other hand, distribute pressure and tensile forces more evenly, significantly reducing the risk of microcracks.



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

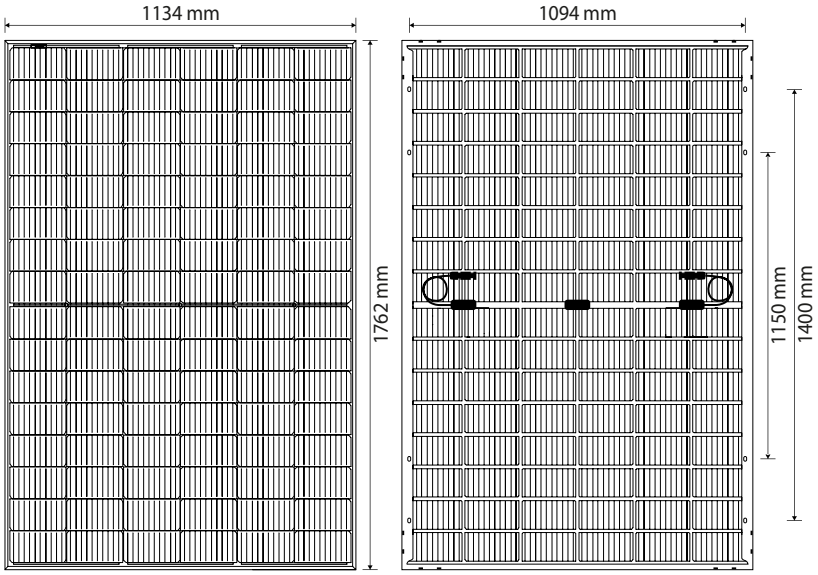
BAUER SOLARTECHNIK

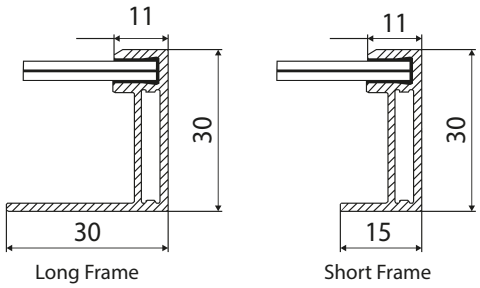
GLASS-GLASS BLACK

BS-96G12HBB-GG 470 - 480 W

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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	Black coated 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-470-96G12HBB-GG	BS-475-96G12HBB-GG	BS-480-96G12HBB-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