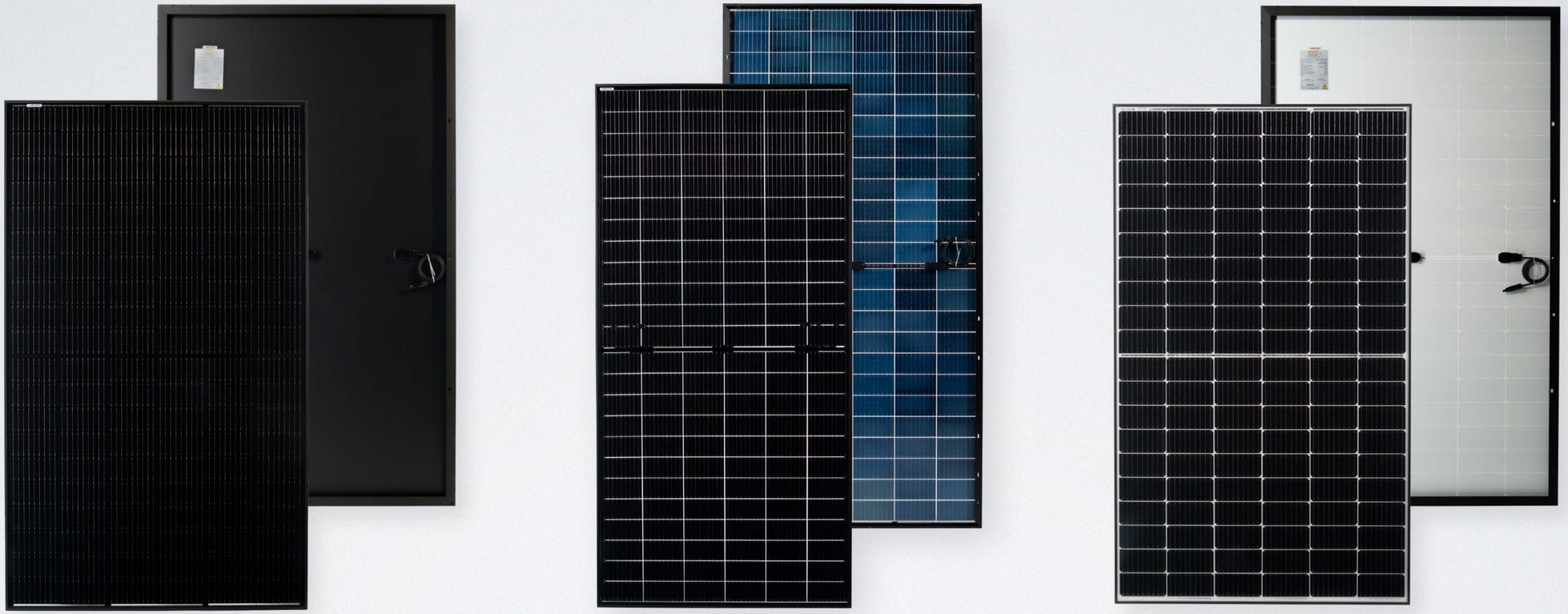
BAUER

SOLAR



High Efficiency PV Panels

Quality and Service from one source

- **BAUER**

Owner-managed Company

Andreas Bauer
CEO

Family owned company in 2nd generation

LOCATIONS

Selzen & Soergenloch, Germany

Ronse, Belgium

Madrid, ESP

Budapest, HU

Plock, Poland

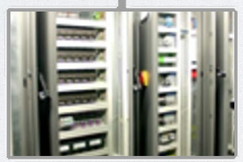
Thessaloniki, Grecce

Lecce, Italy

1985

Electrical installation

1988



Switch Cabinet Production

1998

Heat and sanitary installations

2003

PV installations

2006

Introduction of BAUER PV Panels

2009

Utility scale projects

2012

PV Manufacturing Plant in Poland

2021

1335 MW installed capacity

Company history

GLOBAL ACTIVITIES

The company **BAUER** is committed to the development and realization of utility scale projects around the world.
Its commitment to green energy transition is secured through several projects.

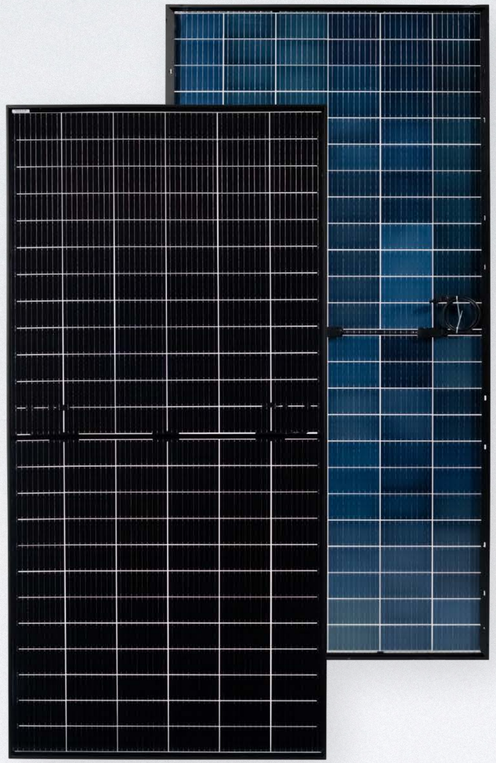
Lecce	Ground-mounted	4000 kWp
Ginosa		3000 kWp
Toledo		2500 kWp
Juan Pablo I		2000 kWp
Aronne		3200 kWp
Rippien	Rooftops	1665,2 kWp
Wüllmersen		1004,16 kWp
Rietz		1000,28 kWp
Tàctica	Ground-mounted	1119 kWp
Nardo		998 kWp
Corperttino		995 kWp
Castrignano		957,6 kWp
Castri		951,28 kWp
Popoli I		999 kWp
Popoli 2		999 kWp
Solarpark Ockernheim		980 kWp

Veneto	Rooftop	991 kWp
Schönberg 831		711,12 kWp
Jacobsdorf		768,83 kWp
Schulzendorf 812-816		724,95 kWp
San Vitale		610 kWp
Kahla		651,97 kWp
Schönberg 830		623,28 kWp
Lüffingen		649,17 kWp
Mücka		533,14 kWp
Villamalea		500 kWp
Klüsserath	Industrial Rooftop	440 kWp
Guntersblum	Agricultural Rooftop	420 kWp
Eppan	Sports Arena Rooftop	270 kWp

FINANCIAL TIMES
Feeling the heat
Biden's opportunity
Vaccine euphoria
Border pain
US migrant crisis deepens
FT 1000 Europe's Fastest Growing Companies 2021
Certificate
The Financial Times and Statista
Hereby recognise
Bauer Energiekonzepte
as one of
FT 1000 Europe's Fastest Growing Companies 2021
Leyla Boulton
Special Reports Editor and Executive Editor Financial Times
Dr. Friedrich Schwandt
CEO Statista

BAUER Logistics Center

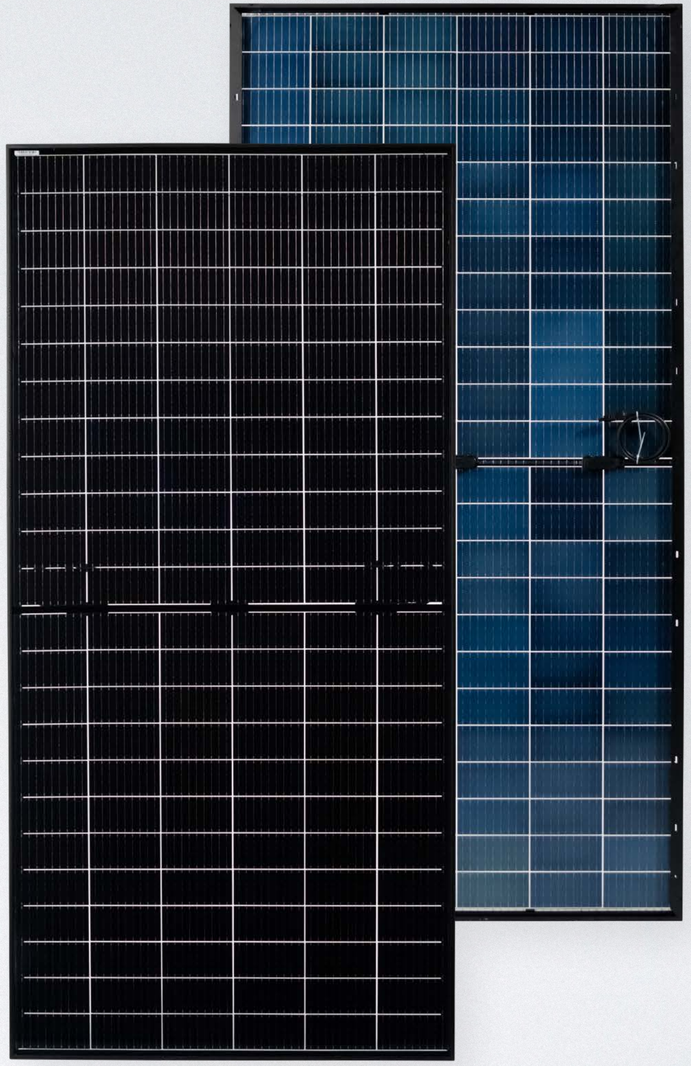
4000m² Storage Area



BAUER PV Panels

Portfolio

Glass-Glass PV Panels

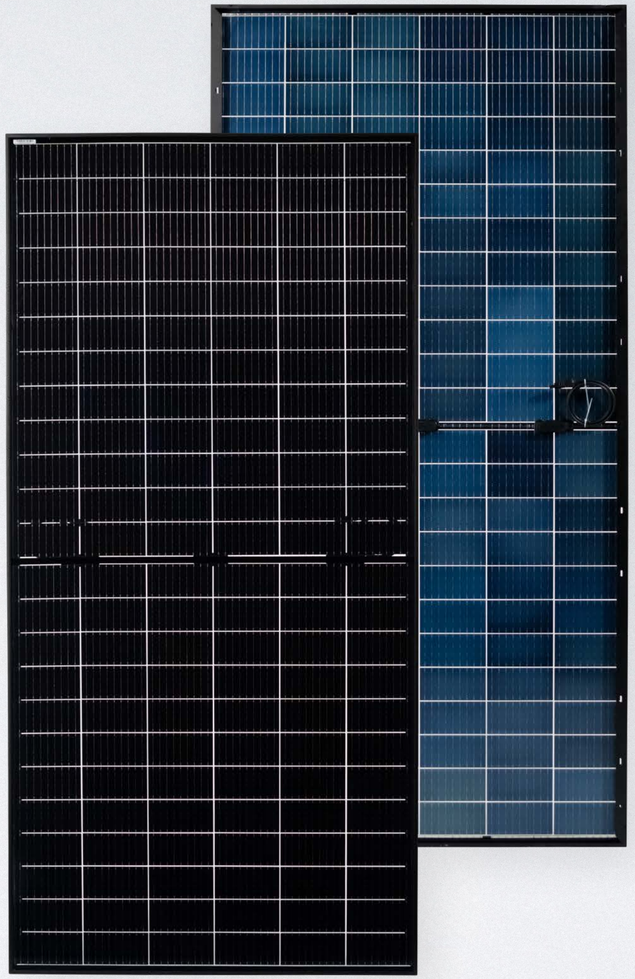


BS-6MBB5-GG-EL

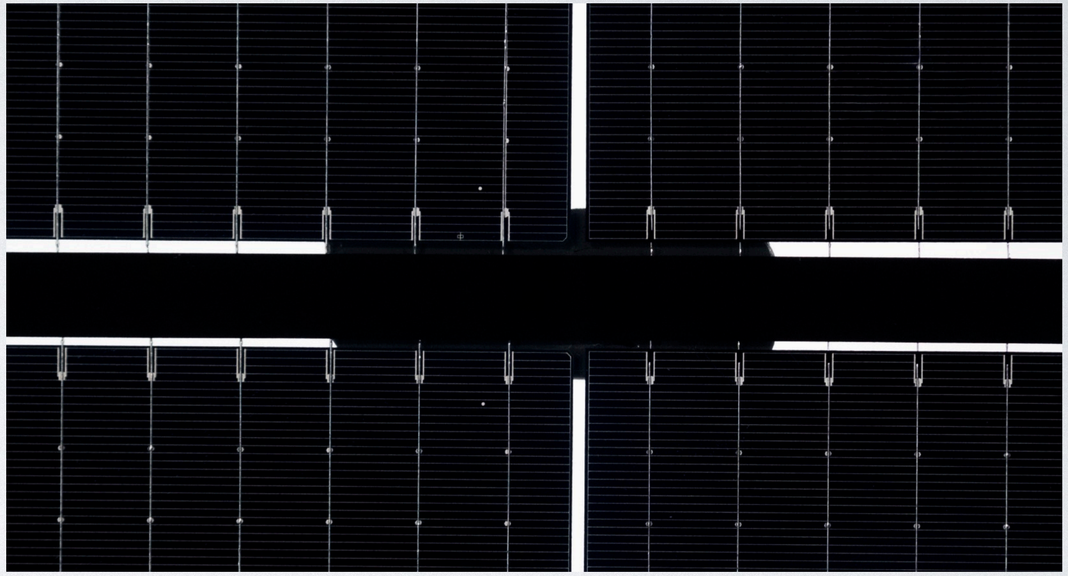
Bifacial Half-Cell 370 to 380W

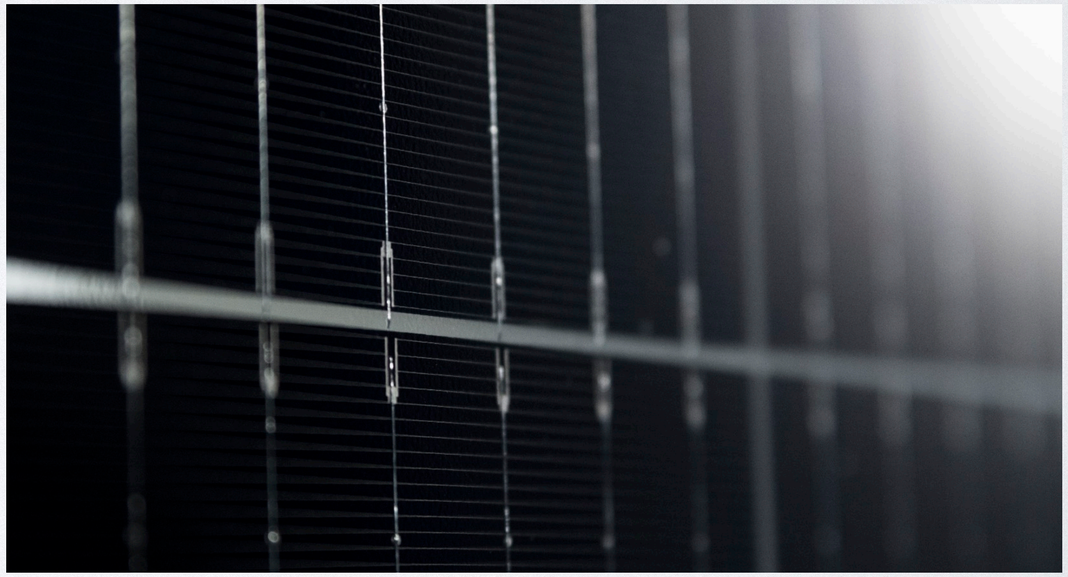
Size 1773 x 1046 x 30mm
Weight: 24,0kg

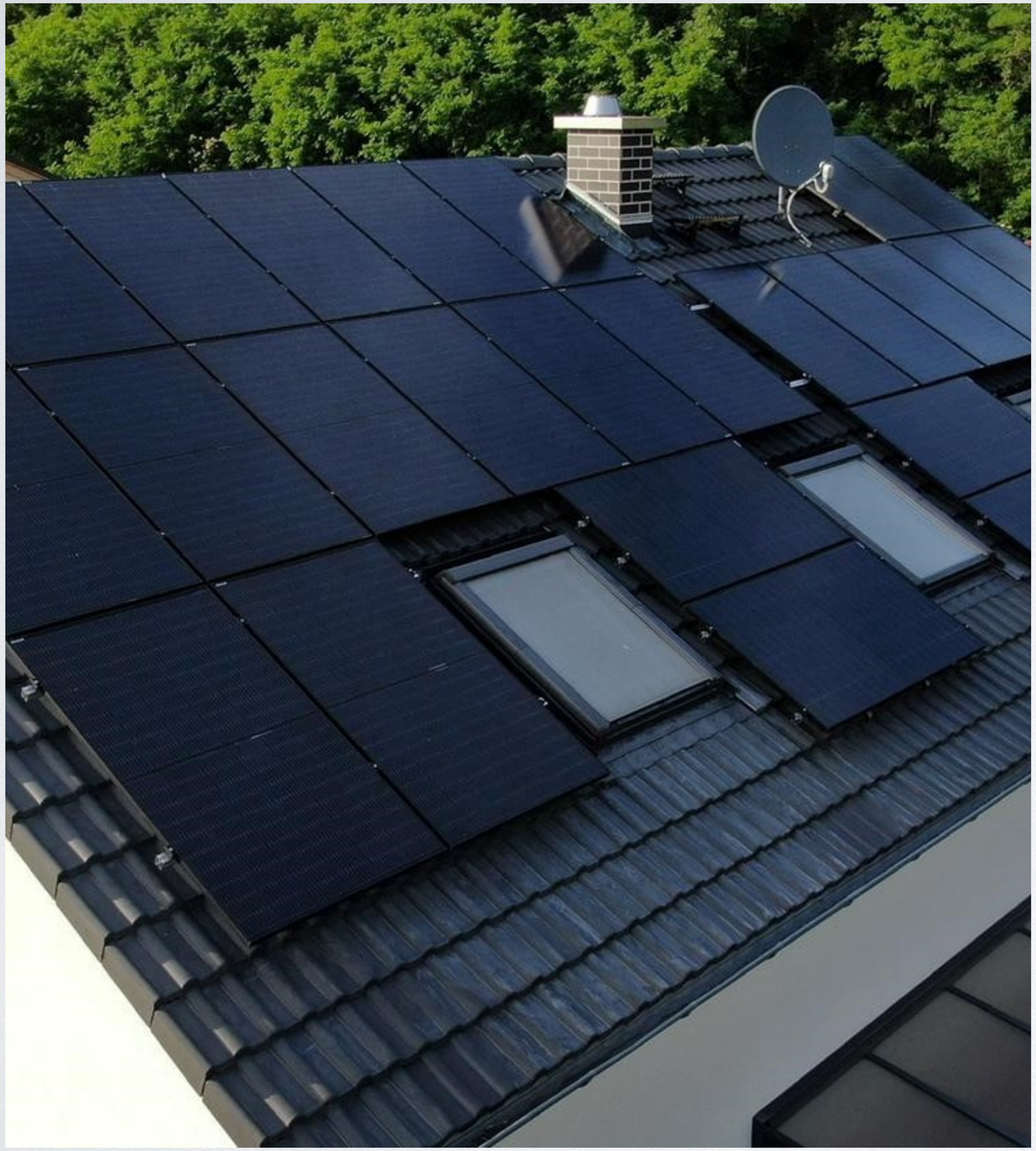
Product Warranty: 30 Jahre
Performance Warranty: 30 Jahre



Glass-Glass PV Panel

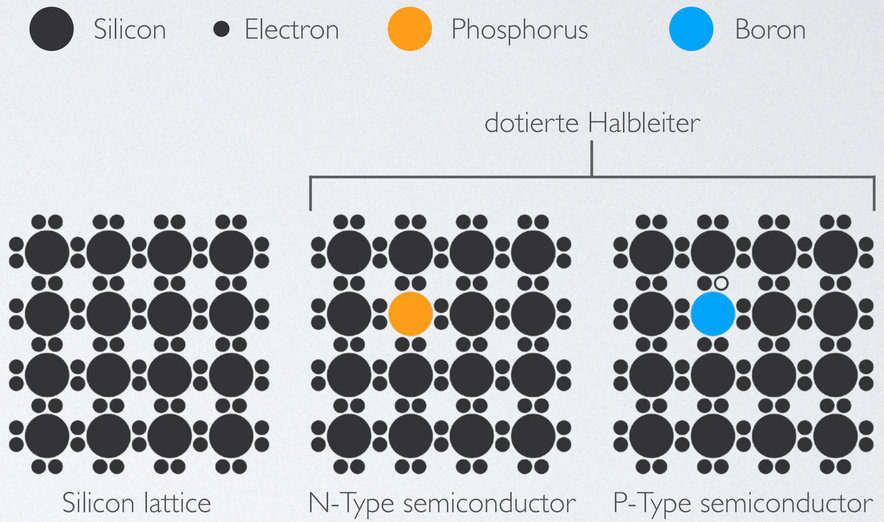






ADVANTAGES OF THE N-TYPE CELL

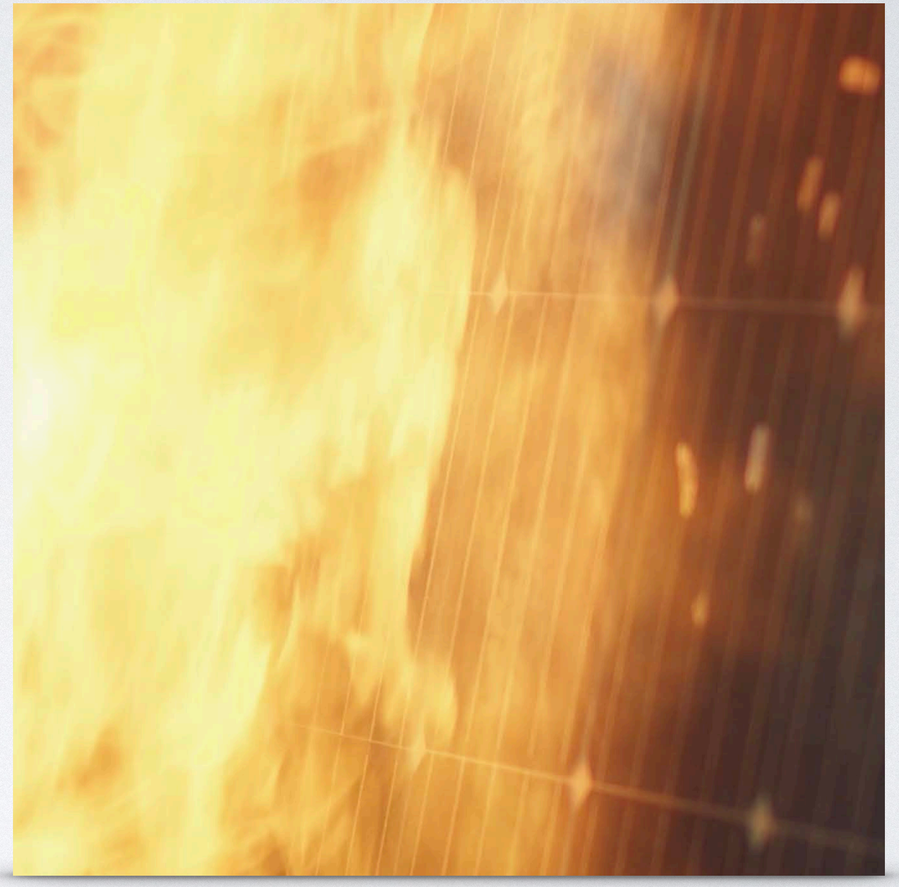
Higher Bifacial factor compared to Perc. 10-15%
Higher efficiency
Immune to LID
Less degradation
9 BB - Technology
Innovative Technology



Glass-Glass PV Panel

FIRE SAFETY CLASS A

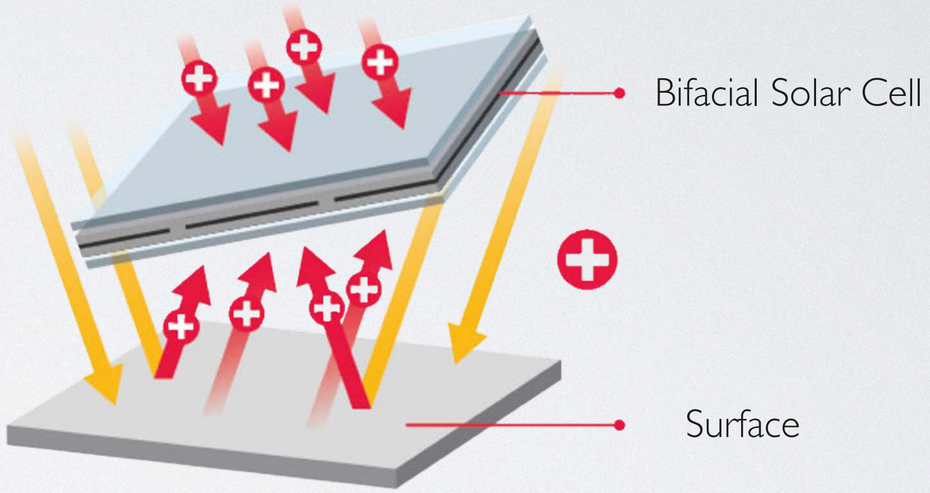
Certified according to
IEC standard 61730-2 (UL 790)



Glass-Glass PV Panel

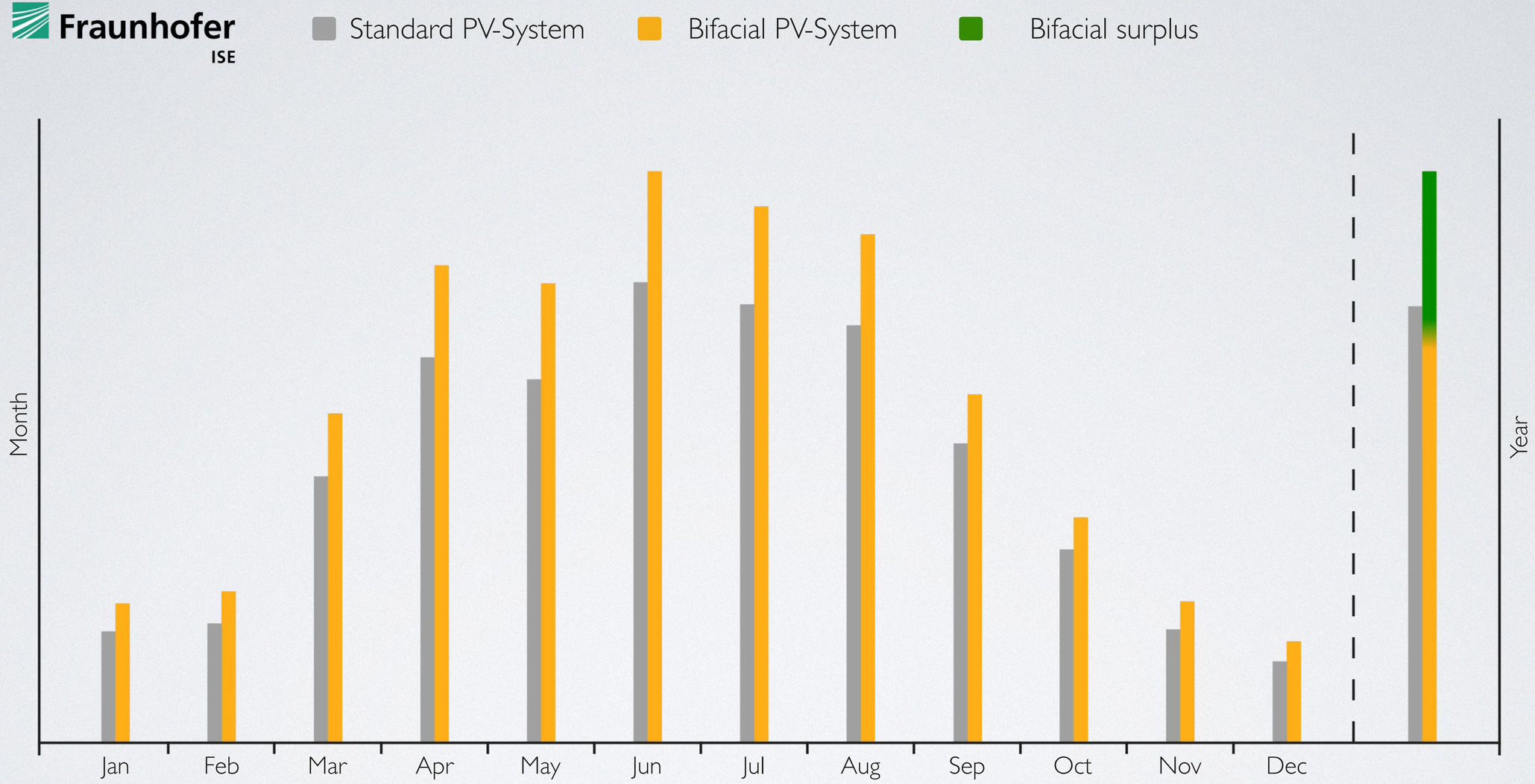
BIFACIAL SOLAR CELLS

Yield surplus of 5 to 30 %

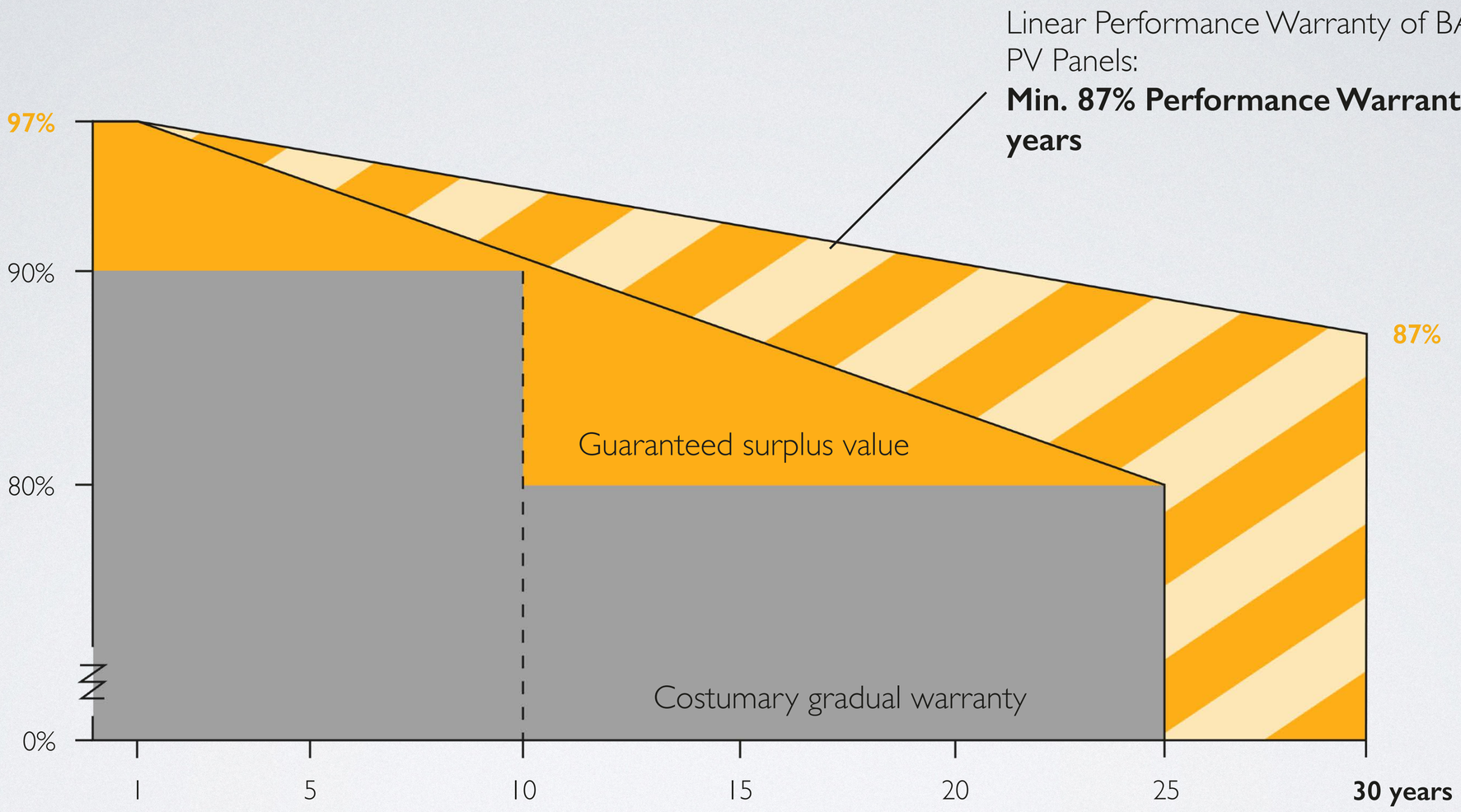


Glass-Glass PV Panel

Fraunhofer ISE



Specific Yield [kWh/kWp]



BAUER Product - & Performance Warranty

30 years

Design & Handling

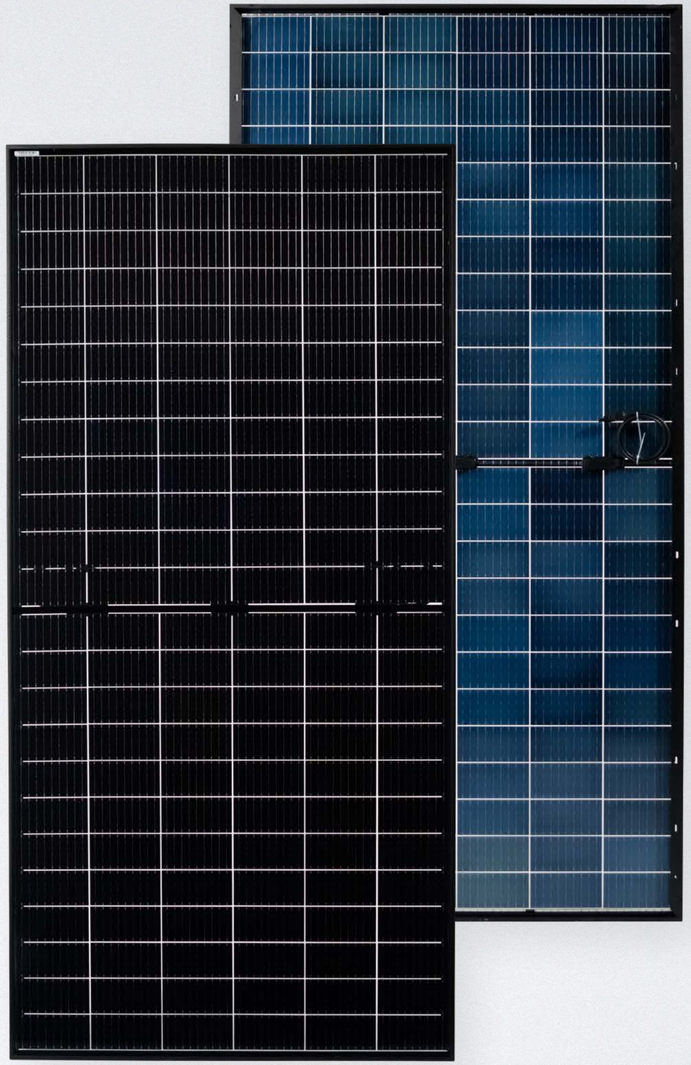
Optimal Design - suitable for any project

Composition

Fire Resistance - durable - High-Quality Glass

30 years Product Warranty

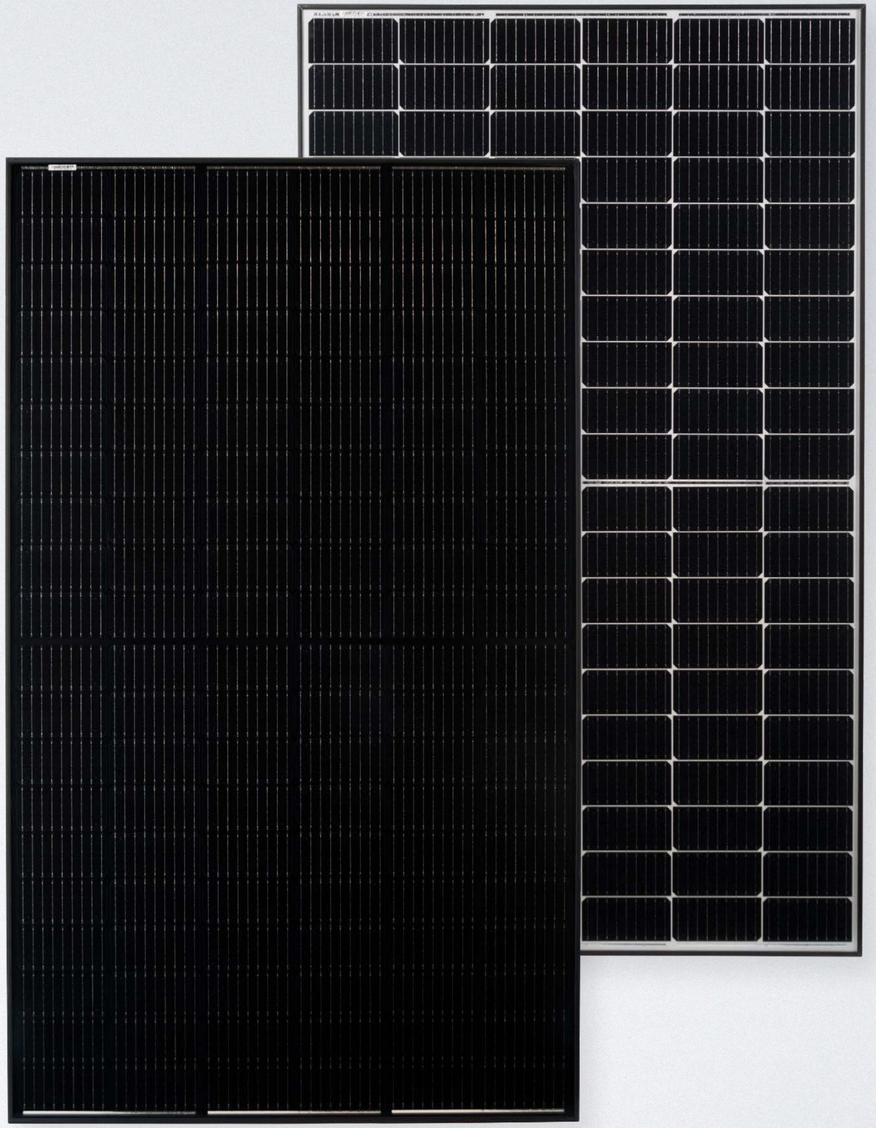
30 years Product and
Linear Performance Warranty



30 years Product Warranty	Highest reliability up to 30 years guaranteed – 3 times more than standard glass-glass panels
30 years Linear Performance Warranty up to 87%	Highest yields for 30 years guaranteed – added value compared to standard PV panels
Higher yields at diffuse light conditions	Due to the slim front glass higher yields can be achieved compared to panels with thicker glass
Only Plus Sorting	Rated output on datasheets is the guaranteed minimum – BAUER PV Panels have always a higher performance than stated
Glass-Glass PV Panels for max. Stability	Higher stability due to glass in the back – no tension and damaging of the cells
Fire Safety Class A	As EVA backsheet is not used the danger of fire is reduced to a minimum
Over 15 years of experience in PV	BAUER is active in PV since 2003 beginning with installations through distributing and finally producing its own BAUER PV panels
German company (family owned)	BAUER is for over 30 years a family owned company in second generation
German Brand	German Standards are set for production process, warranty conditions and quality control testings

Advantages of **BAUER** Glass-Glass PV Panels

Glass-Backsheet PV Panels



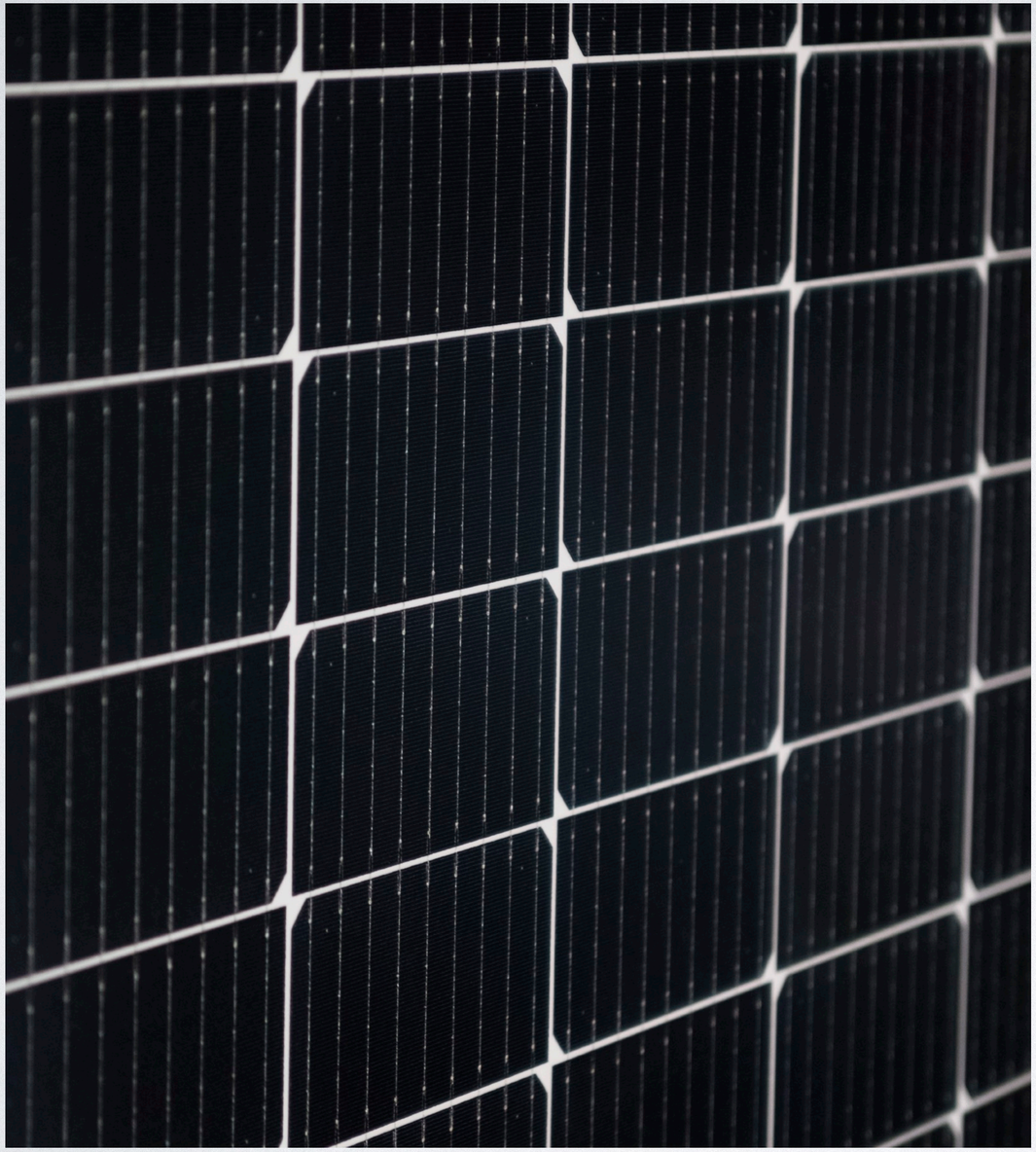
BS-6MHB5-EL-PERC

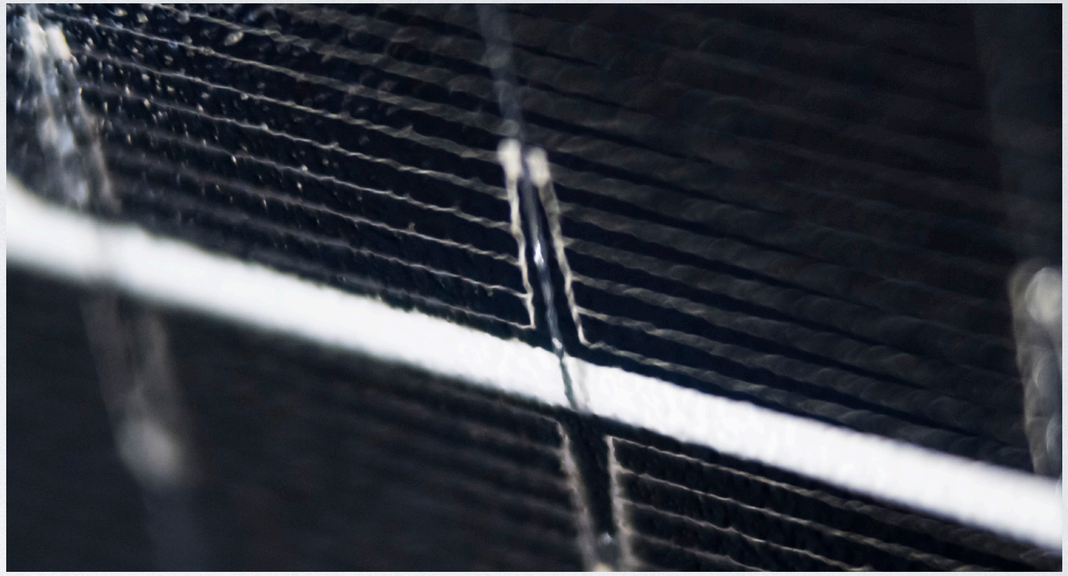
Half-Cell Mono PV Panel 365 to 375W

Size 1762 x 1048 x 35mm
Weight: 19,5kg

Product Warranty: 20 years
Performance Warranty: 25 years

HC - Black Frame



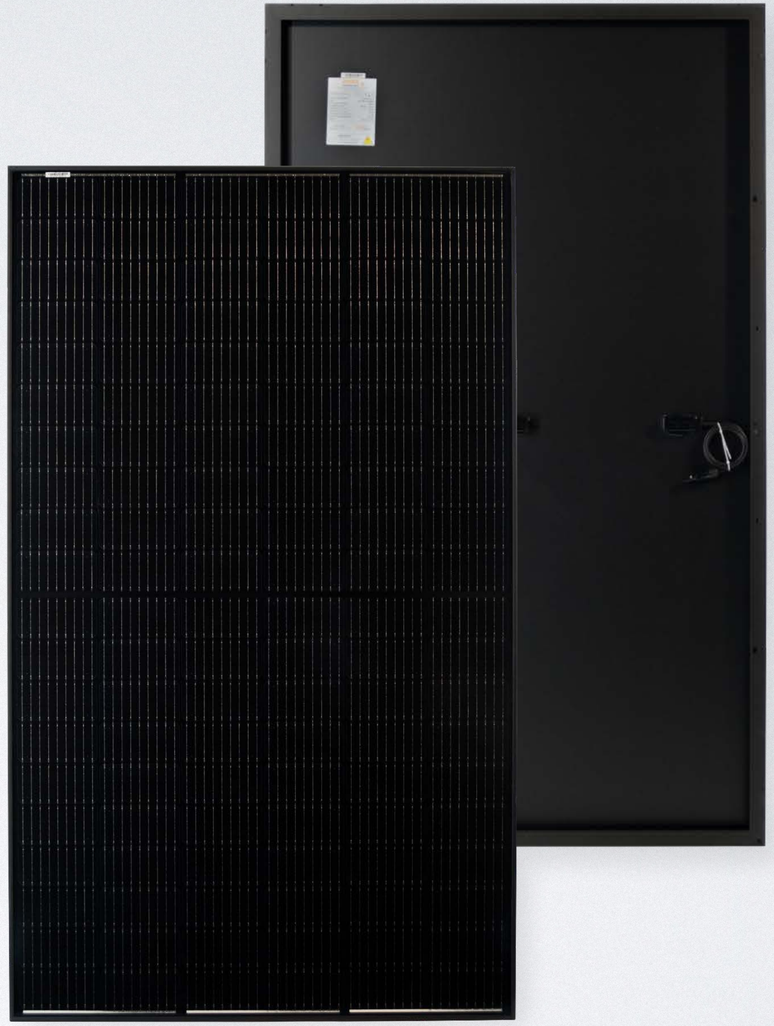


BS-6MHB5-EL-PERC

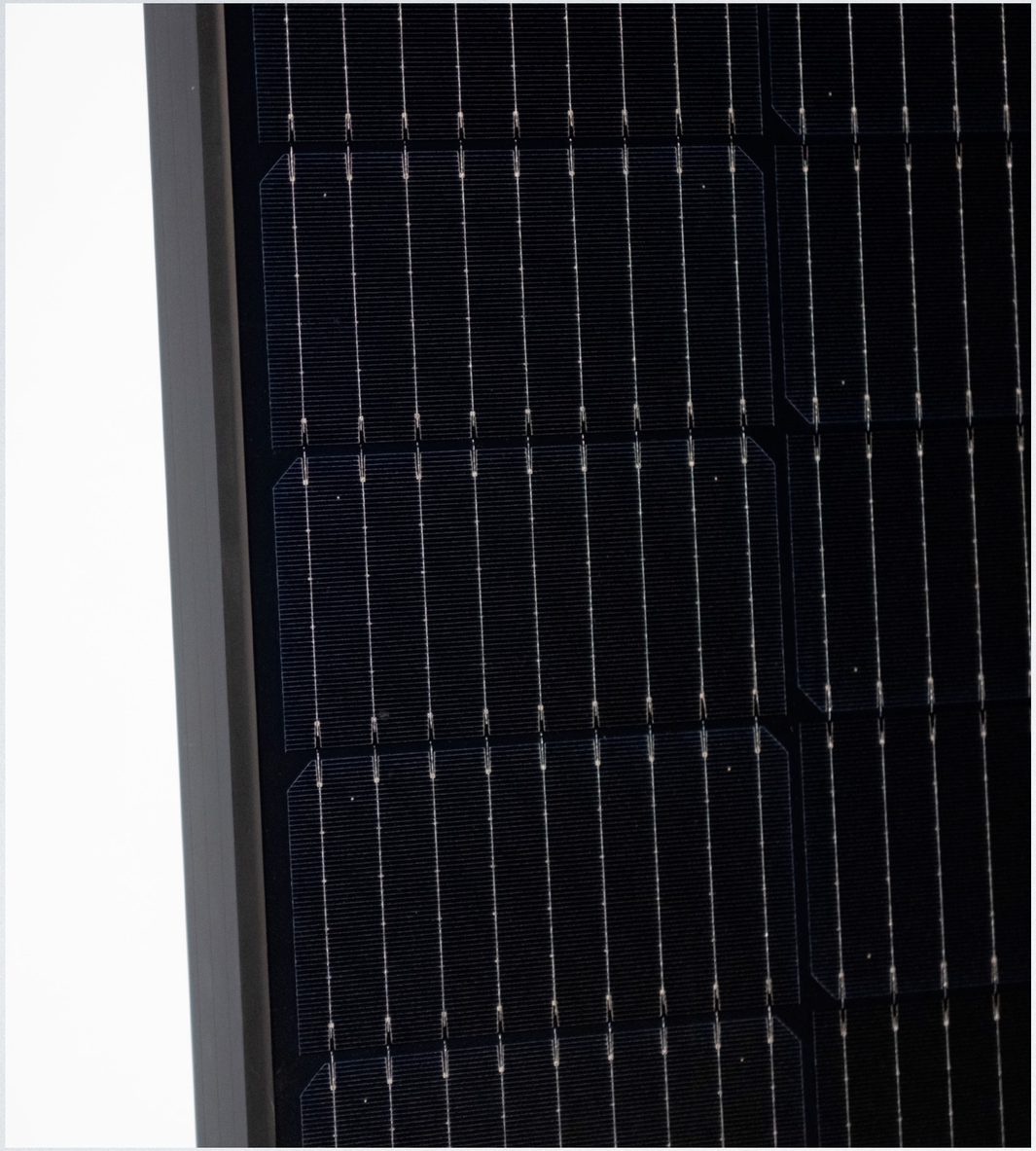
Half-Cell Mono PV Panel 355 to 365W

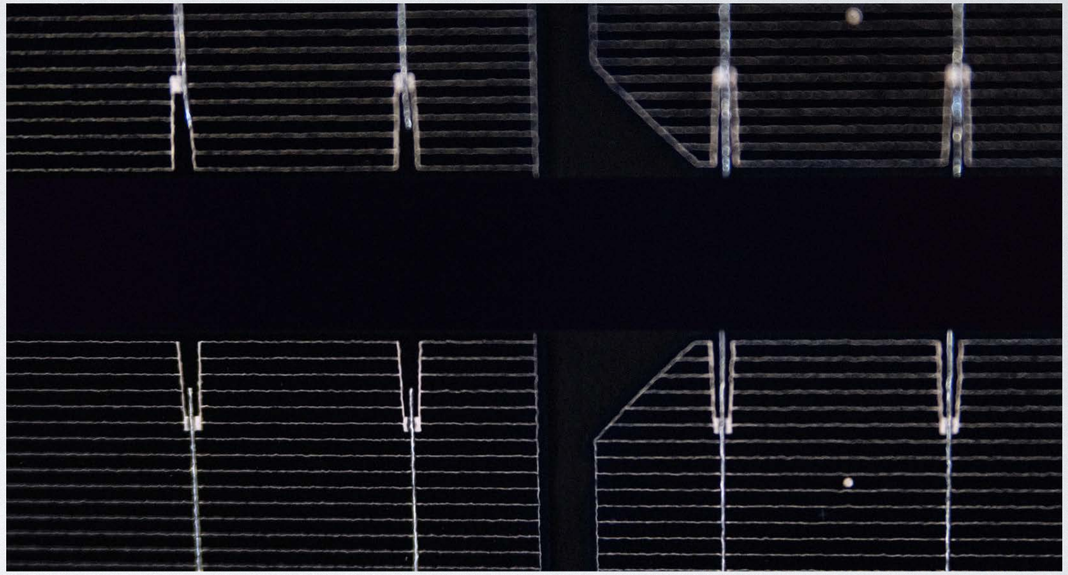
Size 1762 x 1048 x 35mm
Weight: 19,6kg

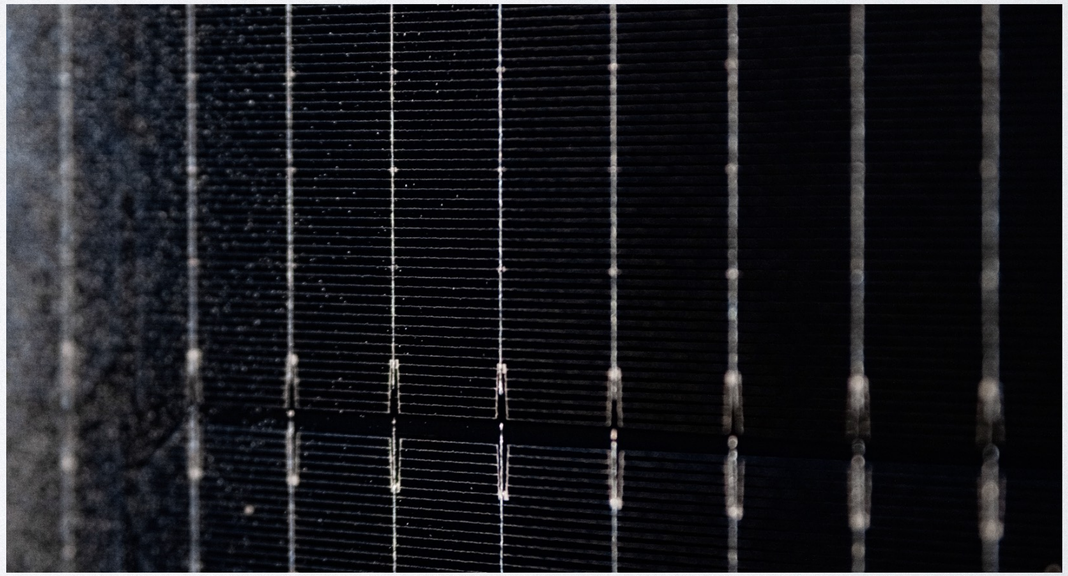
Product Warranty: 20 years
Performance Warranty: 25 years



HC - Full Black





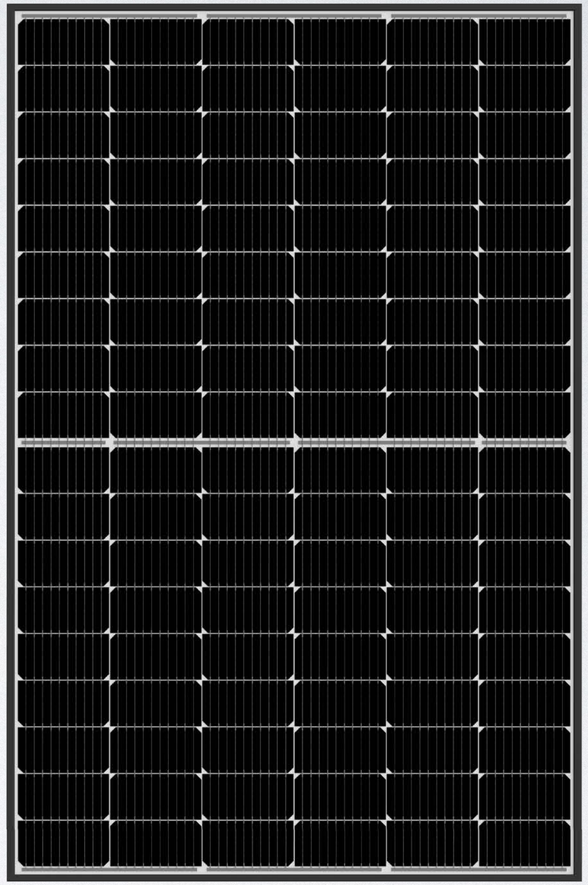


BS-M10HB

Half-Cell Mono PV Panel 400 to 410W

Size 1723 x 1133 x 35mm
Weight: 21,7kg

Product Warranty: 20 years
Performance Warranty: 25 years



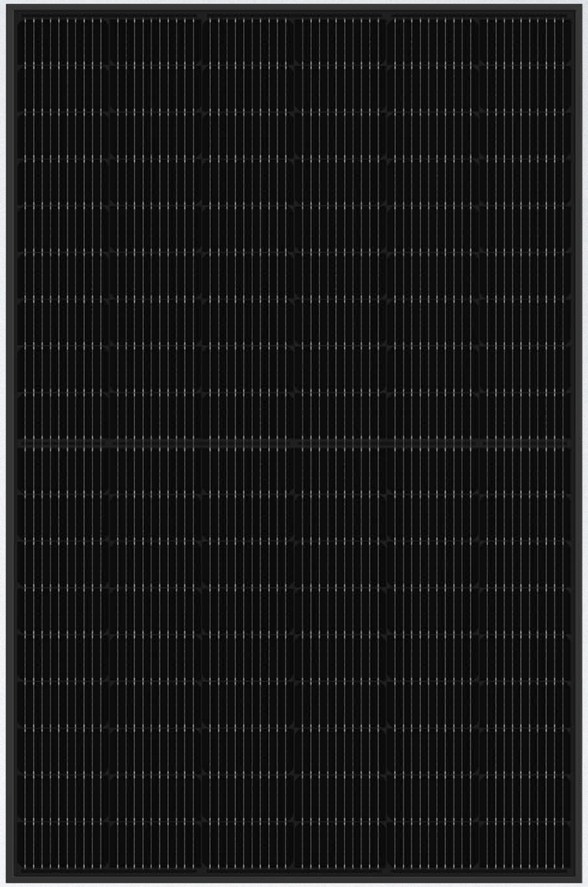
HC - Full Black

BS-M10HBB

Half-Cell Mono PV Panel 395 to 405W

Size 1723 x 1133 x 35mm
Weight: 21,7kg

Product Warranty: 20 years
Performance Warranty: 25 years



HC - Full Black

Design & Handling

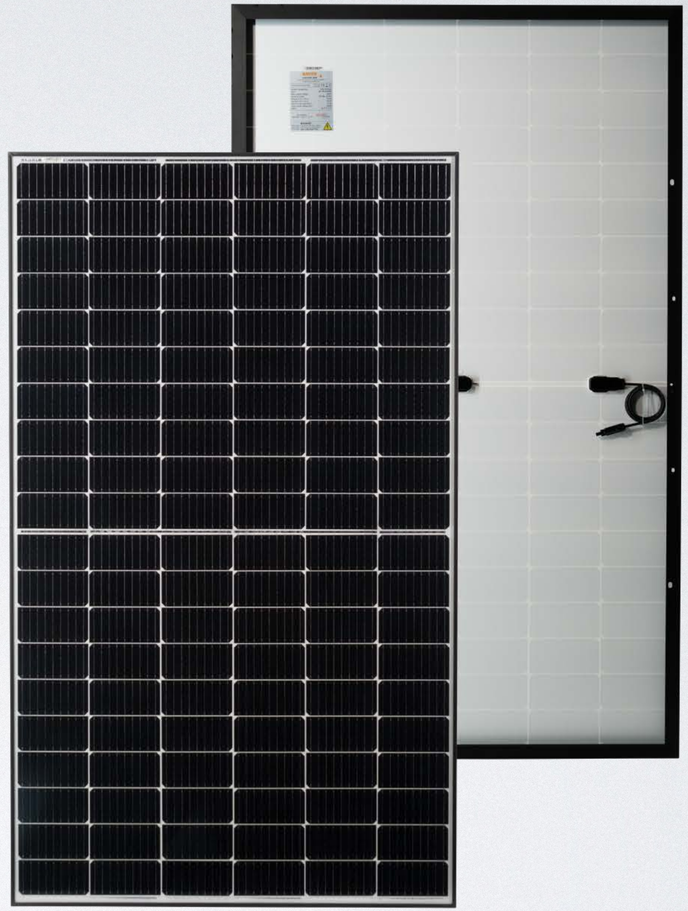
Optimal Design - suitable for any project

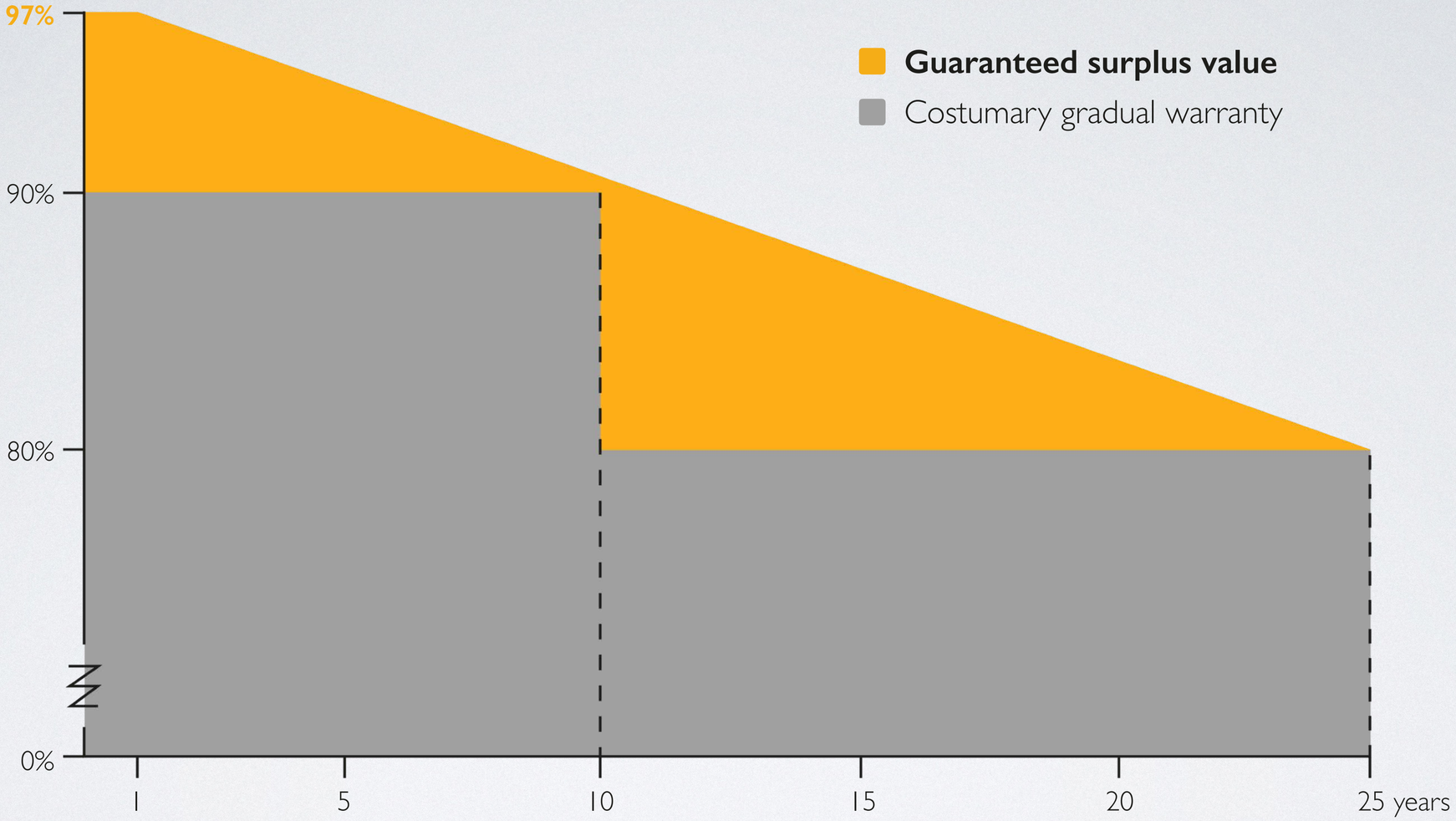
Half-Cell PV Panel

Higher yields & 2-3% higher performance

Advantages in case of shading

Double the amount of cell strings





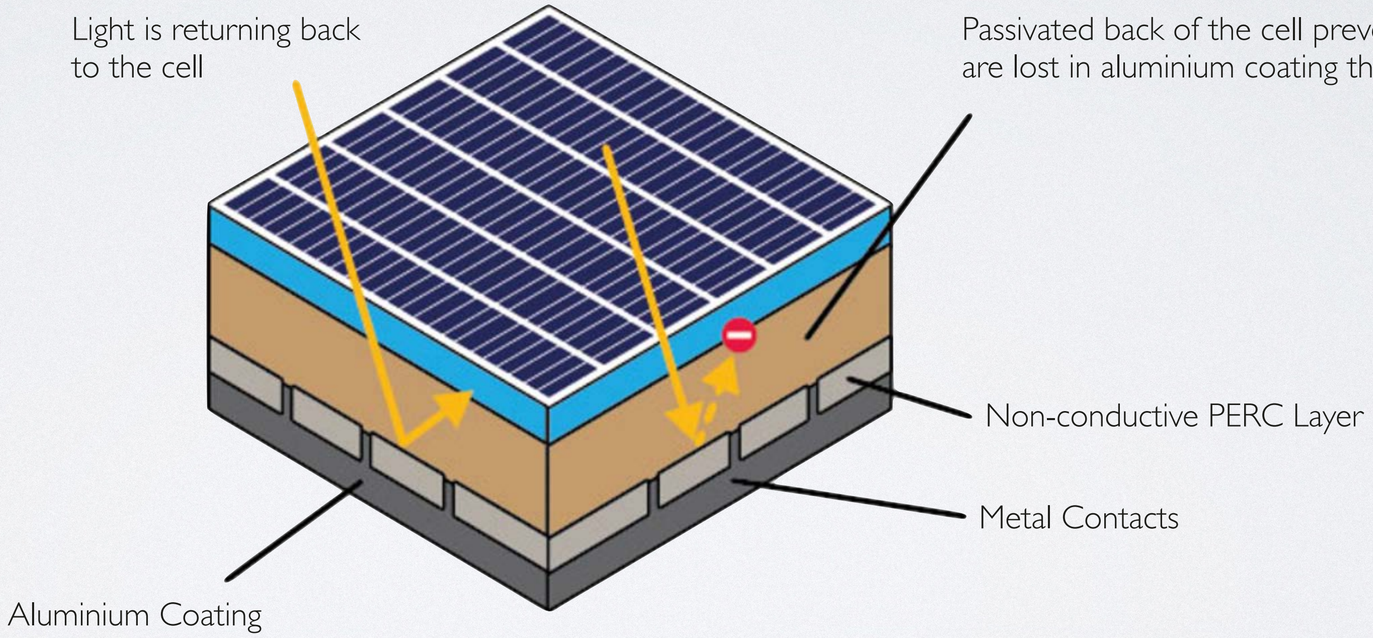
BAUER Product Warranty

20 years

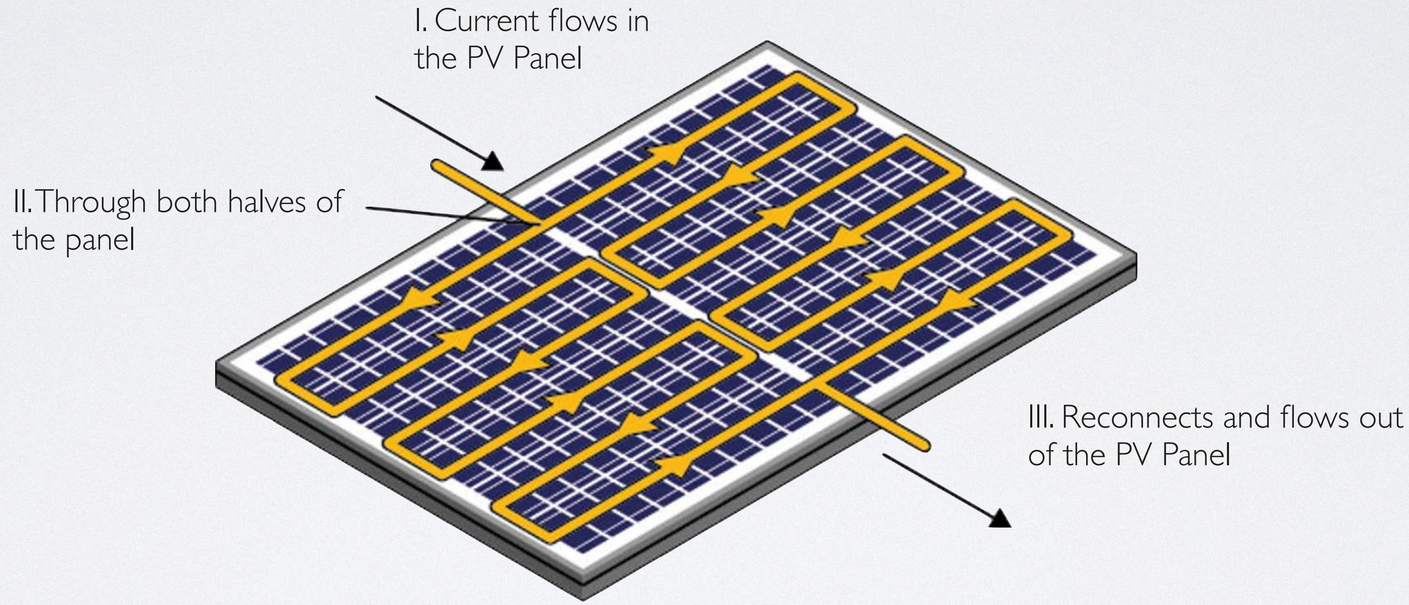
Performance Warranty	20 years product warranty, 25 years performance warranty (30 years for the glass-glass PV panels)
Certifications	Constant internal quality controls – certified by external testing institutes
Efficenty	High efficiency for optimal yields – innovations are integrated immediately in the production process
Plus-Sorting	Deliveries only with positive tolerances
Weather resistant	Standard mechanical load testing prevents damages due to tough weather conditions
German Warrantor	If necessary, a German company is responsible for warranty issues
Safety	High quality components for long-term safety in all weather conditions
Handling	Intelligent packaging ensures lower storage and transportation costs and in the same time faster installation

Advantages of **BAUER** PV Panels

Perc-Technology



Half-Cell PV Panel



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X.CPA-SUN SIMULATOR

EL Testing	Temperature Testing
UV Long-term Testing	Performance Testing under STC
Heat Testing	PID Test (PI Berlin)
Mechanical Lead Testing	LID (PI Berlin)

Complaint Rate ***0,01718%***

– 2010 bis 2020

Kalocsa - Hungary

2.400 kWP

Solt - Hungary

5.400 kWP

Solt - Hungary

5.400 kWP

Baja - Hungary

30.000 kWP 25ha

Individual Approach

- A family-run company with a strong and competent team, that is always available for you.

Solar Modules Manufacturer since 2003

- Take advantage of our expertise and experience of over 18 years of manufacturing in the renewable sector.

Owner-managed company

- You save time by our short and rapid decision paths. The board of executives is involved and aware of any single customer need.

Cooperation & partnership

- Our very first customers from 2003 are still loyal to us today. A long-term and cooperative partnership is important to us. With us, you have a constant partner at your side. .

Your success is our success

- When it comes to product development, we focus strongly on your needs. Our aim is to make your sales and installations easier.

Healthy growth

- You can rely on the fact that you work with a company at your side, we have been continuously developing for over 35 years and have had industry experience since the very beginning of PV. Means, we are one of the pioneers in the PV branch. You can be sure that we will be there for you in the future as continuously as well.

Sales & Marketing with deepest conviction

- Sales and marketing is not just simple a business tool for us. We support you when it comes to sales and marketing with genuine principles. Our portfolio and materials which we have available for you is at your disposal.

German warrantor

- If necessary, it is guaranteed that a German warrantor is responsible for possible after sales claims. This means that you have a contact person in Germany in all matters.

Quality assurance is mandatory!

- Constantly internal performed tests guarantee our high quality standards which are also confirmed by external certified laboratories, like TÜV or PI Berlin.

Warranty up to 30 years

- We offer a significantly higher warranty period than our competitors. This means maximum safety for you and your clients.

Reinsurance

- Bauer Solar is reinsured by MunichRE and provides herewith a better safety net for warranty claims.

Certification, TÜV

- Our constantly performed external quality controls and test by certified laboratories confirm the high quality of our panels.

- EL, UV Long-term, Heat, Mechanical Load, Temperature, Performance, PID, LID

Maximum performance

- The use of latest manufacturing equipment allows our products to achieve highest yields and to be always up to date. With us you can always choose from the latest technology. This ensures satisfied customers and a lot of positive recommendations.

Our products perform as stated on the label

- Bauer Solar modules always produce the output power stated on the label and for which you have paid.

Products with unique selling point

- You are able to offer your clients products with USPs and hereby achieve exclusivity. This increases your chances to gain new projects by focusing on quality and not specifically on the price.

Big portfolio

- You have the possibility to choose the right solar module among the wide range of our products.

Custom tailored solutions

- You are looking for a specific product for your project. Let us develop the right product together.

Glass-Glass Solar Panels

- We further continue to develop our glass-glass solar modules with n-type bifacial cells and are happy to have one of the most innovative products on the market. Take advantage of it.

In case the temperature increases

- Bauer Solar glass-glass modules are certified with the highest fire class A, that gives you and your customers the necessary security when it comes to fire protection.

Well thought out packaging

- A special design of the packaging ensures to minimize the storage space and transportation costs and prevent micro cracks of the cells. And we automatically work for a lower CO^2 impact – cost saving and ecological.

Time saving communication

- Do not spend unnecessary time in call centers or specialized departments. With us you have a personal contact person who takes care of all matters within the scope of our cooperation.

Logistics Center

- Our own logistics center in Soergenloch, close to Frankfurt and within the Rhine-Main-Metropole, allows us to be rapid and flexible in order to achieve the highest customers' satisfaction level in regard to deliveries of our goods.

Fast and simple solutions

- We support you through your daily challenges in a fast and simple way.

Climate protection

- As a company, we are connected to our local home. Nevertheless, climate protection knows no borders, which is why we operate more than 20 MW of our own solar plants throughout Europe at the moment. As a result, we are also familiar with the current climate protection regulations far beyond our region.

We keep our word

- We respect our contracts and guarantee the agreed quantities and prices. This helps you to focus on your company and your customers.

Individual financing solutions

- We are able to offer our partners credit terms up to 90 days in cooperation with our partner Coface.

Network

- We have a reliable network which has been established for the past 35 years. Feel free to contact us for any subject related to your project so that we can forward your request to the right specialist.

New customers acquisition

- We forward automatically interesting inquiries to our partners. A win-win-situation for everybody.

Planning security

- We keep our delivery schedules and are able to react rapidly in case of possible delays.

Order quantities based on your project

- You can place and receive an order quantity which is commissioned based on your project size. This prevents you from having unnecessary storage costs.

WOLRDWIDE REFERENCES

Visit our website to have a look at our worldwide references. We are happy to put you in touch with satisfied customers. We are a long-term trusted partner of small, mid-sized and big companies.

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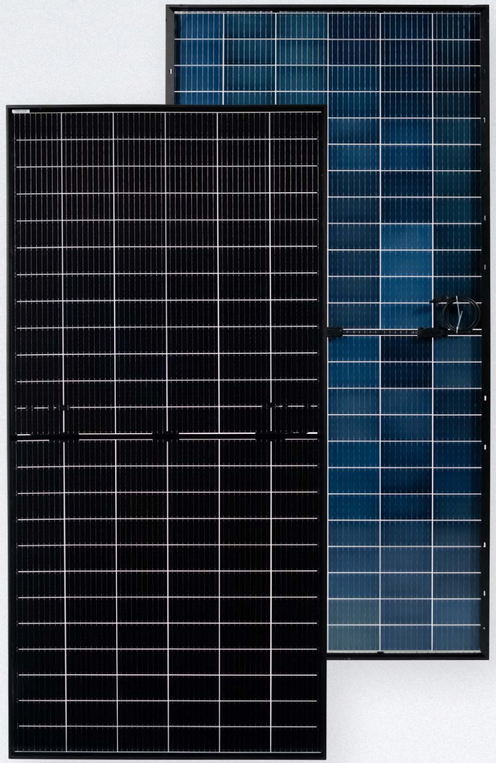
click on image



Thank you for your attention!

bauer-solar.de