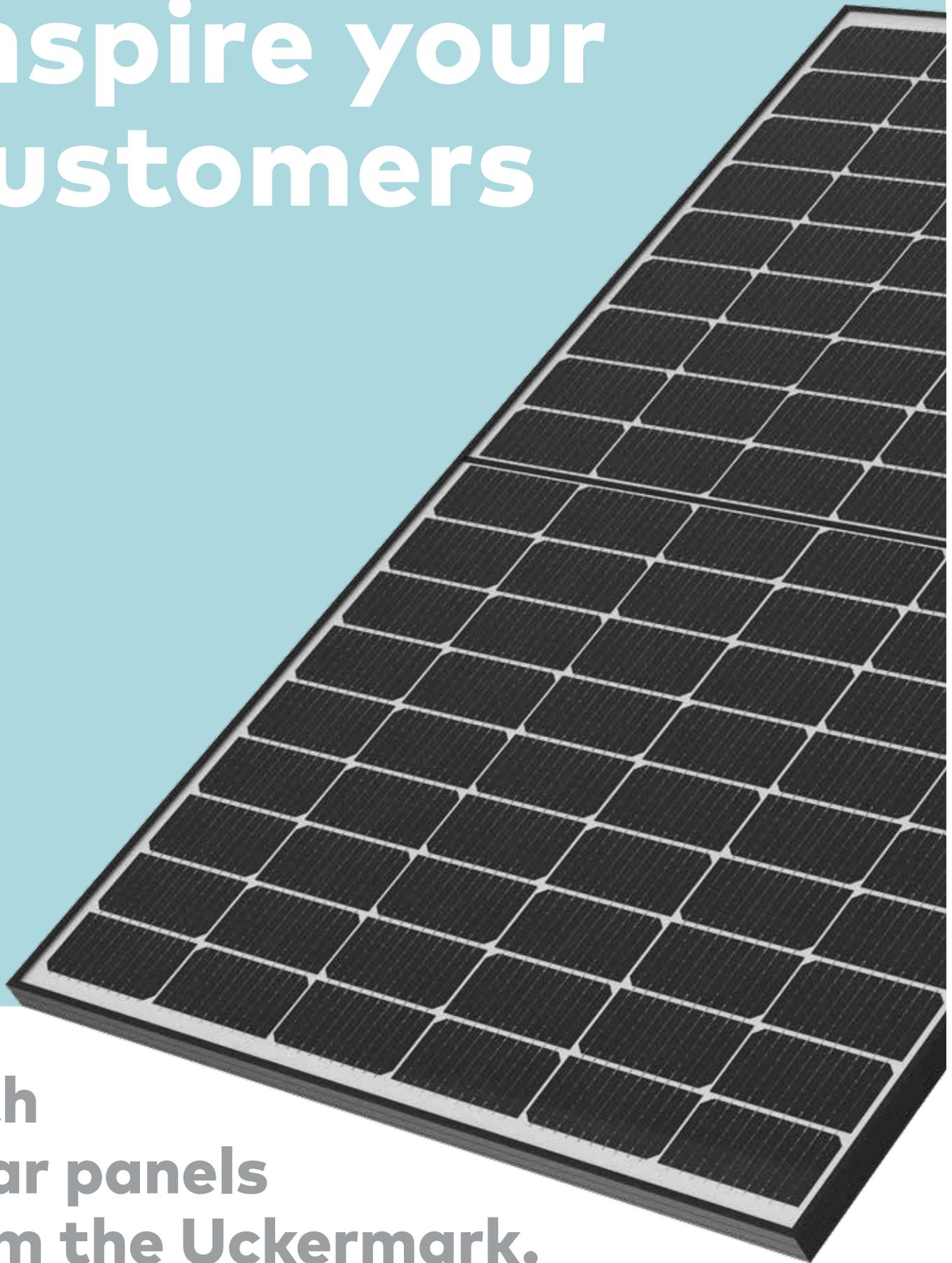


# Inspire your customers



with  
solar panels  
from the Uckermark.



**aleo**  
[www.aleo-solar.com](http://www.aleo-solar.com)

# **We make sure your customers love you. And we make your business thrive.**

Want your business to be successful? - So do we. At aleo, we believe that solar panels increase customer satisfaction and strengthen the reputation of companies. For this reason, we want to make the solar modules as reliable as possible and the transition to solar energy as easy as possible for the end customers. Because there is nothing they desire more when going solar.

They want it to work perfectly. Give them what they want. They will love you and your business will thrive. This is what we help you achieve.



**We supply the core of any reliable PV system.**

**Solar panels that deliver  
what we promise.**

**MADE IN GERMANY**

**There is a simple recipe for the success  
of your business and loyalty of your  
customers: Use a panel that lasts.**

There are only two ways to invest in a solar energy system: you choose a system with the lowest investment cost or lowest overall cost. Of course, you will be more economical if you choose the second option. At the heart of such an installation is a module whose output and performance remain stable for over two decades. When selecting a supplier, it is not enough to look at data sheets and IEC certificates to ensure that a panel actually achieves a service life of two and a half decades. In an industry that likes to save on quality for profit, trust is the only measure. But who can you trust? Who has the values and procedures in place to ensure reliable performance and output? Since our founding in 2001 in Germany, we have built a team of passionate employees who constantly strive to gain customer loyalty by building durable modules. You can trust us as a partner who cares about your success.

# EVERY STEP MAKES OUR PANELS BETTER.

## TO PERFECTION

A lot happens before our solar panels reach your warehouse or construction site. The work that our research and development experts put into the panels is confirmed by external tests and quality certification. We are only satisfied when our products are significantly better than the industry standard. To ensure that each panel then actually meets this standard at a later date, we test continually during production.

### The aleo quality formula



# 1 Focus on product design with customer benefits

We are in close contact with our customers during the design and development of our products. Because it is important to us that our products are precisely tailored to your requirements.

# 2 Intensive development work & stringent material selection

Choosing the right components ensures the stability and performance of our products. We test all new materials for at least twice as long as required by IEC standards and, if necessary, for much longer. In this way, we simulate the technical service life of our modules under the most extreme conditions.

## 3 x 3 climate chamber tests

Intensified reality under extreme conditions

# 3 Testing by independent institutes

Independent testing has proven that our modules are among the most reliable in the entire solar industry.

The LEO series is certified in accordance with the latest standards:

## IEC 61215:2021 & IEC 61730:2016

In addition, our panels have obtained the following certificates

### Optimised for extreme environmental conditions

- + Salt spray resistance
- + Ammonia resistance
- + Sand and dust resistance

### Extremely resistant to degradation

- + PID resistance
- + LeTID resistance

### Extremely weather-resistant

- + Hail-resistant (class 4)
- + Pressure load 8100 Pa
- + Suction load 3600 Pa

# 4 Quality controls during production

Extensive testing for reproducible high quality.

**3 x 100% in-line EL measurement**

**100% diode test**

**100% frame & geometry check**

# 5 Comprehensive warranty packages

**25-year product guarantee**

**25-year performance guarantee**

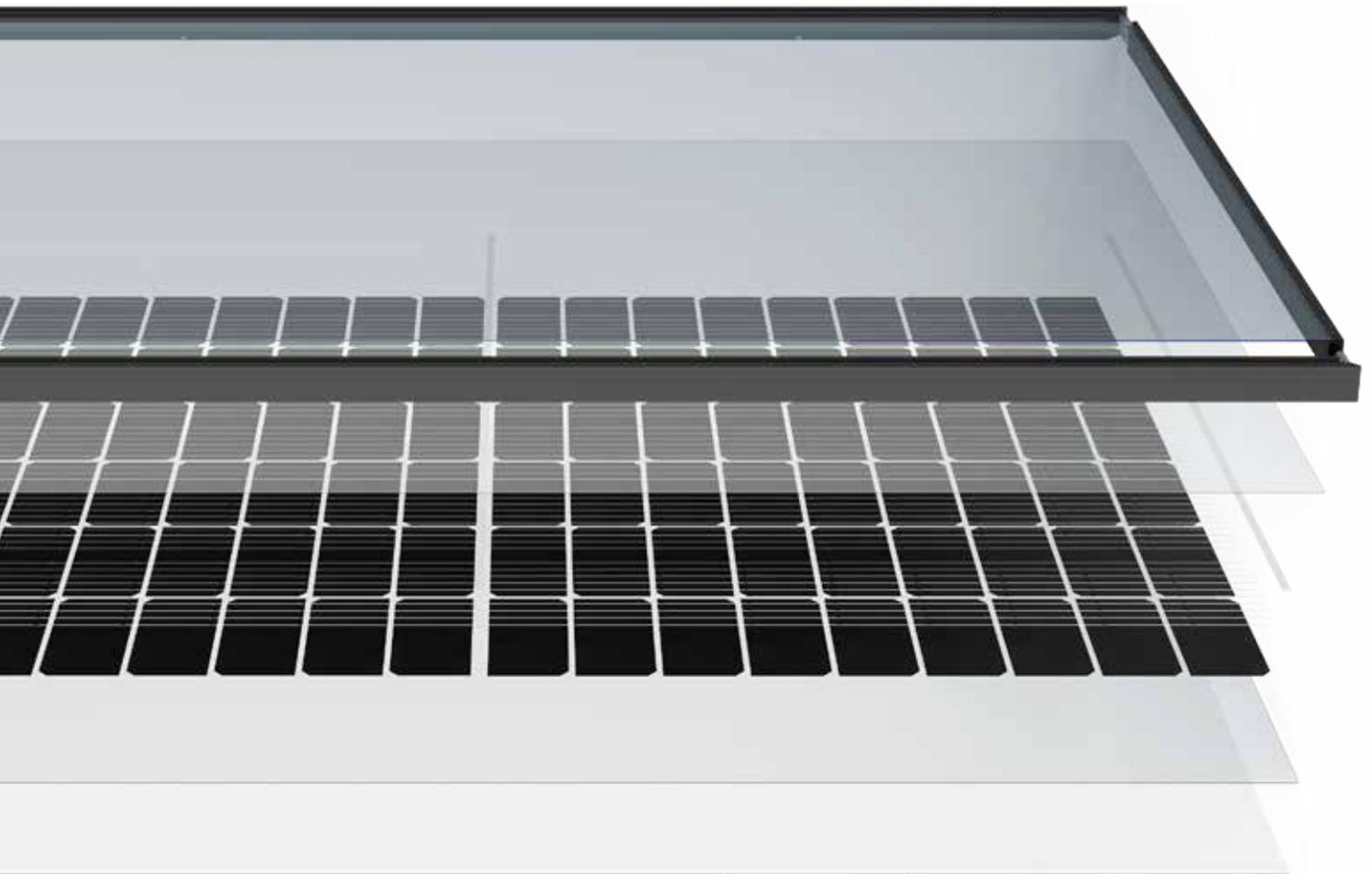
**100% of costs covered in the event of a warranty claim**

[www.aleo-solar.de/downloads](http://www.aleo-solar.de/downloads) → warranty certificate

# Our trademark? High energy yield.

The task of a solar panel is to produce as much electricity as possible. This is exactly what our proven PERC technology does. Because there is only one profit formula in our business: high energy yields = customer satisfaction = your success.

Solar technology is developing. Like any other industry. New and more powerful procedures are replacing the old ones. For our latest panels, we combine proven PERC technology with an innovative half-cell design. As a result, the light output of the modules is even greater and your customers can generate more solar power.



## **ALEO HE TEC. DESIGNED FOR HIGH PERFORMANCE**

aleo produces particularly durable and high-performance solar panels. Such performance is possible thanks to our HE technology. HE-Tec is an interplay of particularly high-quality components, which are combined by our team of experts in such a way that the finished module is simply top class!

## Half-cell technology

Happiness is not the only thing that doubles when you share it. Panel performance also increases as a result of cell division.

In this way, electrical losses in the cell and cross connectors can be reduced, thus increasing efficiency.

## Elegant appearance

We understand that the appearance on the roof is important. Our panels have covered cross connectors so that the black surfaces in particular have a uniform appearance.

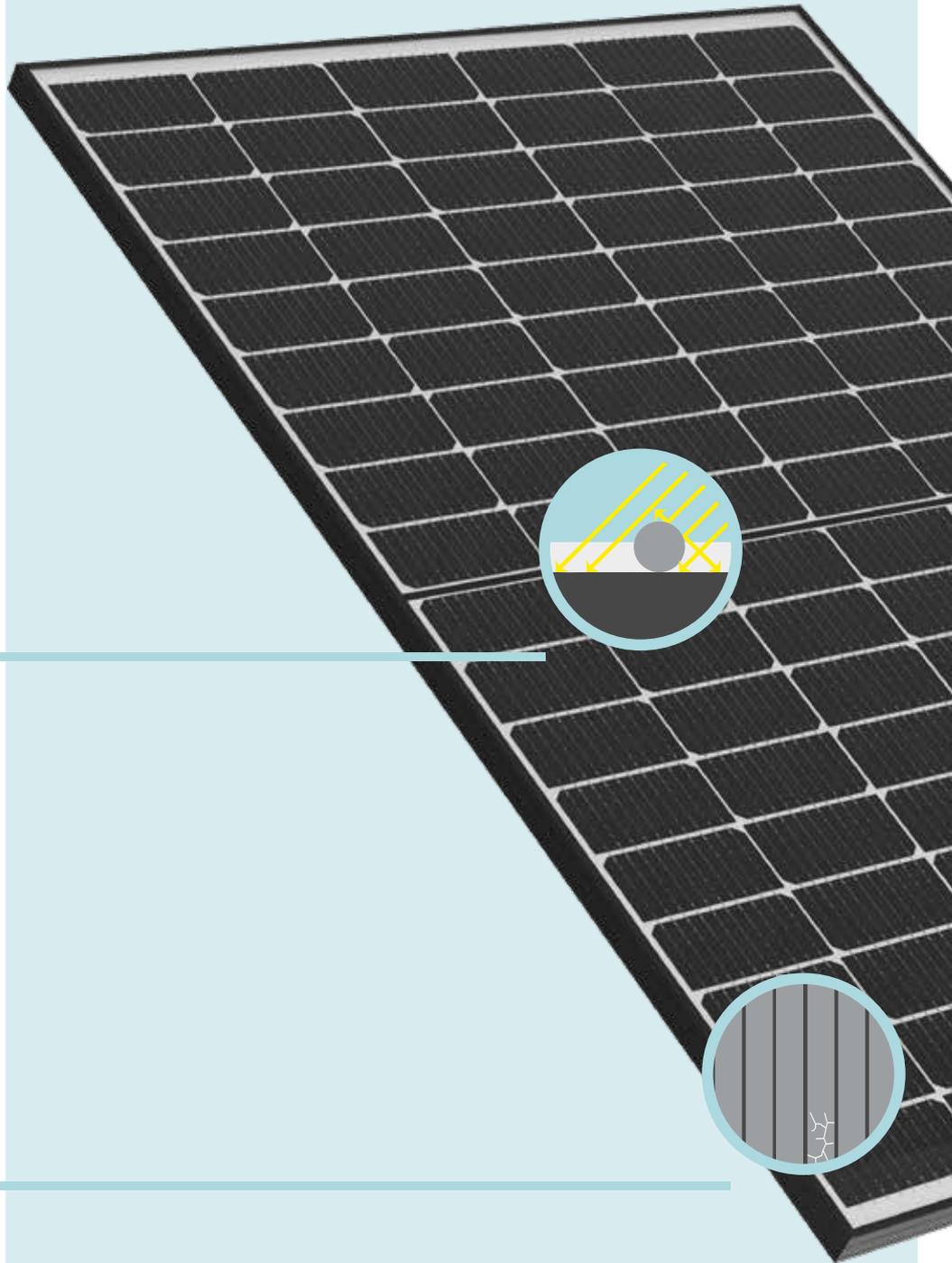
## Wires that boost the sun.

Thanks to the use of the finest, round wires, even more light reaches the cell surface. Light that hits the round cell connectors is partially reflected onto the cell. Your customers can look forward to more energy yield with the same panel size.

## Innovative busbar technology

Over time, cells are subjected to thermal expansion as well as wind and snow. Even the best cells can get wafer-thin micro-cracks as a result.

Our innovative Multi-Busbar technology increases the number of available current paths, minimising power loss due to micro-cracks.





## We make solar energy synonymous with serenity.

We want your customers to never regret their choice to go solar. We do this first by manufacturing reliable products. And secondly by standing behind our craft. No matter what happens. That's why you and your customers can rely on industry-leading warranties and the reliability of an established group.

When going solar, your customers want to be independent and produce their own electricity while contributing to create a cleaner world. They have simple yet challenging expectations. As they are told solar panels work for decades, they expect their solar power system to work properly over the years. Even if we always strive for excellence, we are aware failures might occur. That's why we design the most durable solar panels that come together with up to a 25-year product guarantee. Just in case. And we cover all the costs related to an after-sales case under warranty.



### 25 YEARS PRODUCT GUARANTEE

aleo panels are so good that they come with a 25-year product warranty from the date of purchase. This applies to the Premium and Premium in-roof lines. Our BIPV module even has a 30-year product warranty.



### 25 YEARS PERFORMANCE GUARANTEE

The performance of all glass-foil panels is also guaranteed for 25 years. This is because the power output remains high over these periods, which ensures 98% nominal output in the 2nd year of operation and at least 85.12% nominal output in the 25th year of operation of panels from our premium LEO line.



### 100% OF COSTS COVERED IN THE EVENT OF A WARRANTY CLAIM

If one of our solar panels should show signs of damage under our product warranty, we will cover 100% of the costs. This means that in addition to the replacement delivery of the panel, we also assume the transport costs for the replacement delivery and the costs associated with disassembly or new installation.

## PIONEERING SPIRIT FROM THE UCKERMARK

aleo was founded in 2001 and is today considered the most trusted manufacturer of solar panels.

All of the company's products are manufactured at the aleo factory in Prenzlau, Germany.

aleo follows strict quality principles in order to make solar energy the first choice on the energy market across the board with top industrial performance.



## A HISTORY OF PEAK PERFORMANCE

### 2022

aleo solar introduces the LEO series. The flagship product is an on-roof module delivering over 400 W output

### 2019

aleo solar celebrates its 18th year of company history. With so much expertise, we are one of the most experienced panel manufacturers on the market.

### 2015

aleo solar is the first manufacturer in the world to start series production of 300W PERC panels with 60 cells.

### 2014

aleo joins forces with Sino-American Silicon (SAS), one of the TOP 3 manufacturers of wafers for the semiconductor industry. SAS supplies components to companies such as IBM, Intel, Samsung, Bosch, ABB and Sharp.

### 2009

The Bosch Group acquires the majority shareholding in the company.

### 2001

aleo solar is founded by German Marius Eriksen, a pioneer and committed citizen who has been awarded the Order of Merit of the Federal Republic of Germany for his social commitment.



# Sustainability is part of our DNA

Sustainability is much more than just a trend for us. aleo was founded over 20 years ago by solar pioneers with the vision of making an important contribution to the fight against climate change. We want to make solar energy more accessible and manufacture panels that produce green electricity across generations.

## We are committed to meeting and exceeding the best environmental standards!

DIN EN ISO 14001:2015  
DIN EN ISO 50001:2018

## We rely on local supply chains

Whenever possible, we also rely on partnerships with local suppliers of raw materials and alternative materials. Local production also benefits the environment in the transport sector: most of our customers are located in Germany or Europe and are pleased that our modules only travel short distances.

## We produce in Germany



We are a local company with production headquarters in Germany. More precisely, in the heart of Uckermark, surrounded by lakes, fields and nature reserves. Such beautiful surroundings remind us every day why environmental protection and sustainability are close to our hearts.

## We make good use of our renewable energies

We produce electricity from our own PV panels and purchase 100% sustainable green electricity to cover the consumption of our production facilities and administration.

Generating energy today, with the future in mind.



