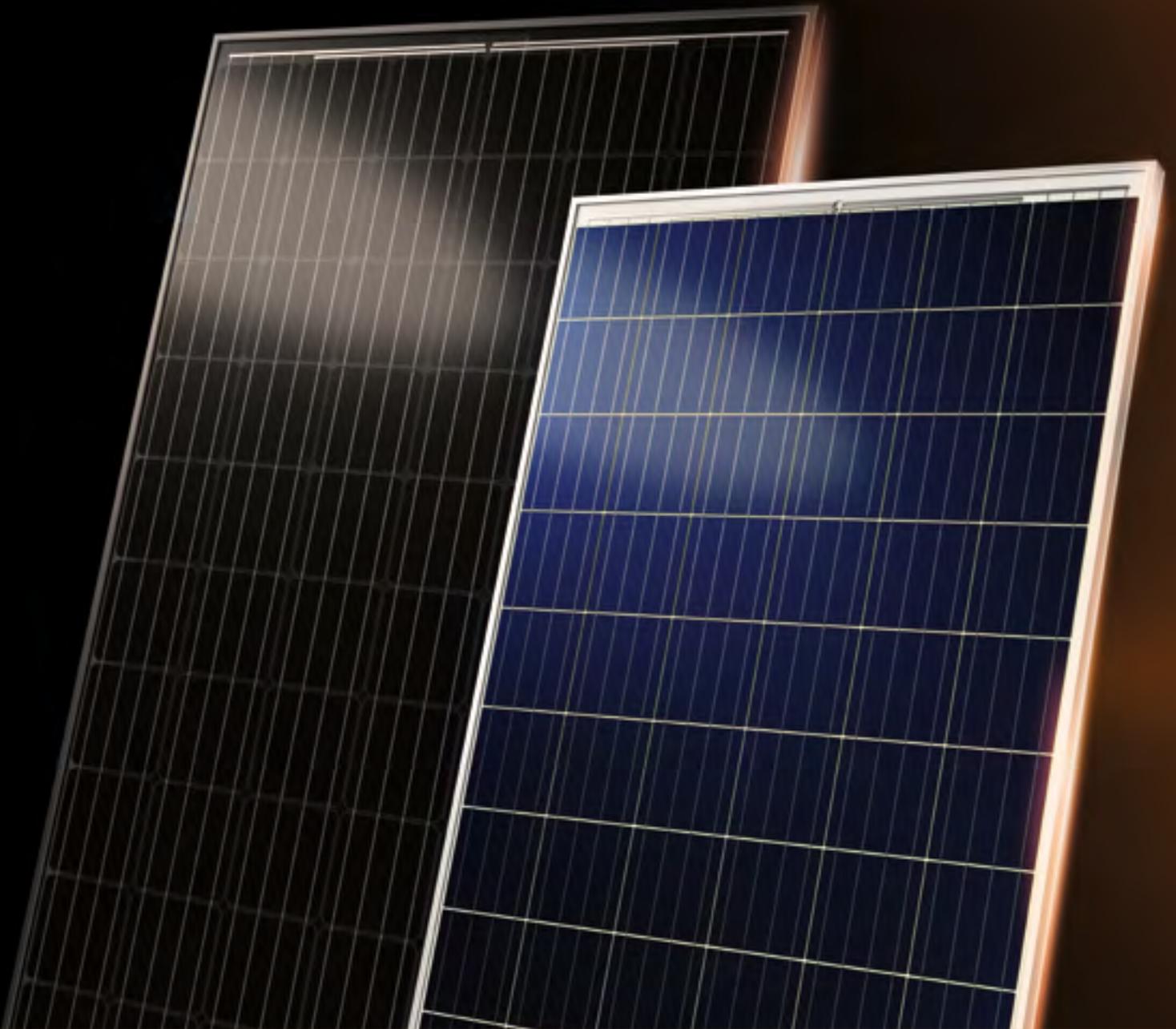


# THE GENERATIONAL MODULES.



**Vision and EasyIn.** YIELD GUARANTEED FOR DECADES.

 **SOLARWATT**<sup>®</sup>  
power to the people

# SOLARWATT GLASS-GLASS MODULES. INDESTRUCTIBLE, HIGH YIELDING, PROFITABLE.

**What is special about our photovoltaic modules:** the power-generating solar cells are protected by a glass layer on both the front and back. Each of these 2 millimeter thick panes is bonded together by lamination to be water- and airtight.

As a result, SOLARWATT modules not only achieve a much longer service life, but also generate more electricity than conventional solar panels. Your free, green electricity yield remains stable over decades.



## Polycrystalline photovoltaic modules Reliability at a reasonable price

High performing and highly reliable – that is the promise of polycrystalline SOLARWATT modules. By only using proven solar cells we achieve the best price to performance ratio for you.

With over 25 years of experience making solar modules, we guarantee you the highest quality and an especially long service life. Your power supply is secured for decades.

## Monocrystalline photovoltaic modules Performance and aesthetics combined

Completely black solar cells and a black frame made of anodised aluminum ensure the modules on the roof look attractive and uniform. A special anti-reflective glass also prevents glare.

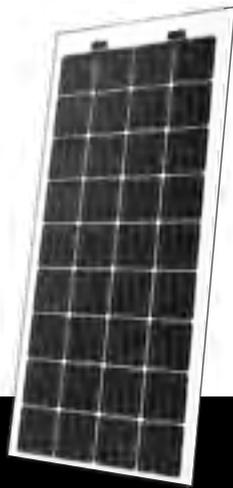
High-performance solar cells not only look good, they also guarantee maximum yields and long-term yield reliability. For the highest performance requirements there are our high power modules – with an output of over 300 Wp.

# HIGHEST QUALITY. FROM THE MARKET LEADER.



**We at SOLARWATT are convinced:  
glass-glass modules are the future.**

*In 1998 we launched the world's first industrially manufactured glass-glass module. Today, 80 % of the modules we supply are based on glass-glass technology and make SOLARWATT the market leader in this area. All SOLARWATT modules are developed and produced in Germany. Premium quality made in Germany.*



## Transparent glass-glass modules For carports, verandas, and more.

Thanks to its 20 % transparency, the Vision 36M glass module can be built into translucent roofs and is ideally suited to convert carports, terraces, or balconies into solar power plants. Our glass-glass technology makes the module weatherproof and yield stable.

With the Vision 36M glass, even relaxing in the shade becomes economically profitable.



## In-Roof Modules Your roof pays for itself

EasyIn modules are mounted directly on the roof support structure instead of roof tiles. Just like roof tiles, they protect your house from wind and weather for decades, but at the same time produce environmentally friendly solar power.

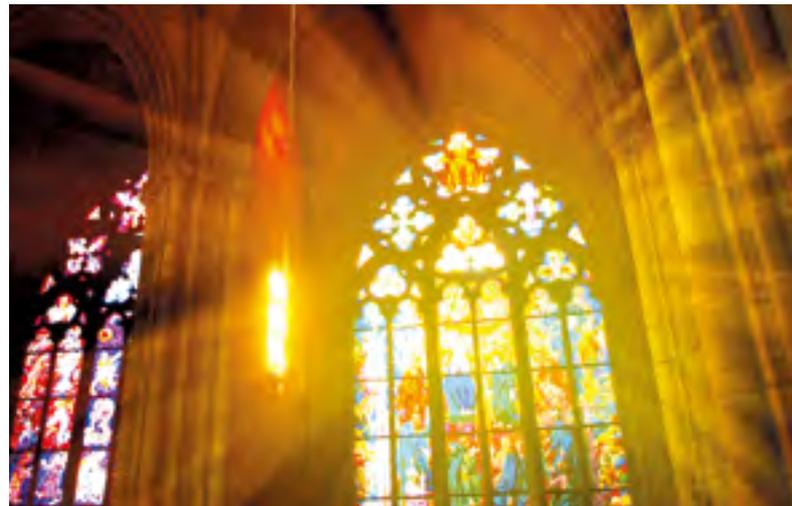
This saves you twofold: On the one hand, the roof construction costs for materials and working time are reduced. On the other hand, you can permanently reduce your electricity bill by up to 80 %.

# GLASS-GLASS TECHNOLOGY. THE GENERATIONAL MODULES.

The central product advantage of glass-glass modules lies in the material properties themselves: Glass does not age. This is why glass-glass modules easily survive several generations.

The two glass layers on the front and back of our modules reliably prevent intrusion of moisture or aggressive acidic substances. This protects the high-performance (PERC) cells inside the modules from premature aging or malfunctioning. Even salt mist, ammonia, or sandstorms cannot damage the hardened glass-glass modules.

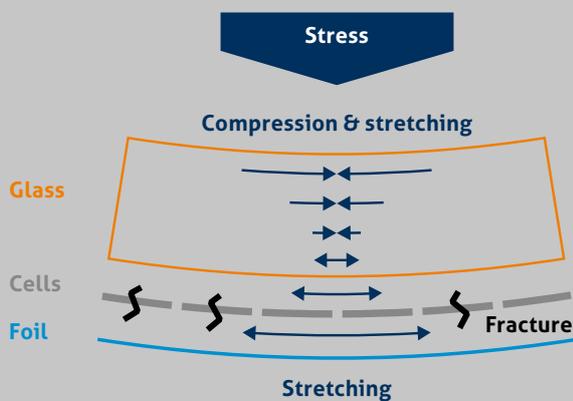
The use of glass on both sides also minimizes the constant mechanical stress on the cells from wind and snow. Cell breakage and hotspots are prevented.



Glass lasts for centuries.

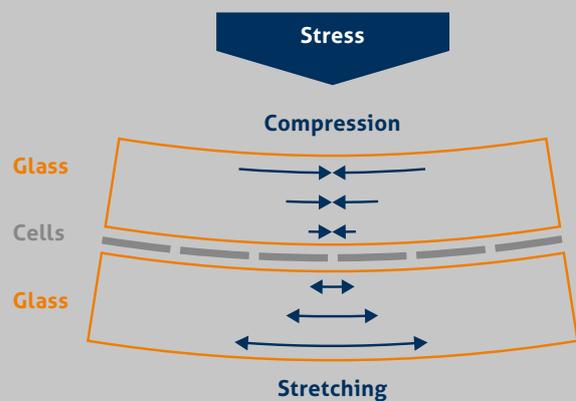
## GLASS-GLASS MODULES PROVIDE OPTIMUM PROTECTION FOR THE VALUABLE SOLAR CELLS

Glass-foil module



When glass-foil modules are stressed, cell fractures occur which permanently reduce the yield of the photovoltaic module.

SOLARWATT Vision



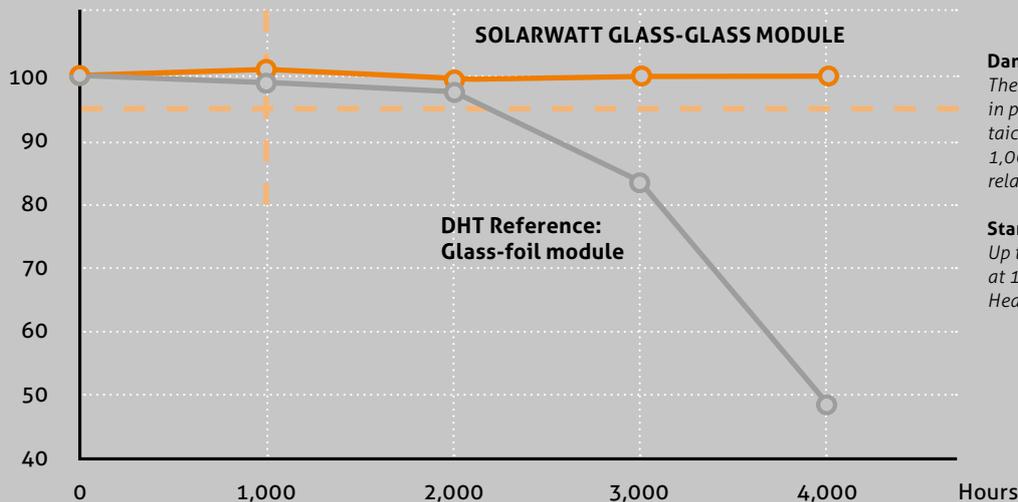
With glass-glass modules the cells are only bent along the neutral axis and not stretched or compressed. This prevents cell fracture.

# THE ECONOMIC SHOWDOWN. GLASS-GLASS AGAINST GLASS-FOIL.

Glass-glass modules not only work much longer, they also generate significantly more electricity than conventional photovoltaic modules during this time.

## GLASS-GLASS MODULES PROVIDE CONSTANT PERFORMANCE OVER DECADES

Performance in %



### Damp Heat Test:

The test measures the drop in performance of photovoltaic modules after at least 1,000 hours at 85 °C and a relative humidity of 85 %.

### Standard requirement:

Up to max. -5 % power loss at 1,000 hours DHT (Damp Heat Test).

Glass-foil modules can undergo massive cell damage due to environmental pollution. As the Damp Heat Test shows, the glass-glass modules from SOLARWATT show no loss of performance even after 4,000 hours under test conditions. In contrast, a drop in performance of more than 50 % was observed in the glass-foil modules.

When considering the economic efficiency of glass-glass technology compared to glass-foil many consumers only look at the ratio of investment costs to annual yield (€ / kilowatt peak).

Much more important, however, is the ratio of investment costs to yield over the entire service life of the modules (€ / kWh lifetime output).

Although glass-glass modules are somewhat more expensive than conventional glass-foil modules, they last approximately twice as long and are significantly more powerful.

**That means you can produce twice as much solar electricity with glass-glass modules at a similar price over their entire service life.**

# YOUR ENERGY FUTURE? GUARANTEED FOR 30 YEARS.

**Our photovoltaic modules can generate 30 to 40, in favourable circumstances even more than 50 years of environmentally friendly electricity. A real plus for you, society, and our planet. But SOLARWATT not only promises; SOLARWATT guarantees.**

Photovoltaic modules should not only generate environmentally friendly electricity, but also pollute the environment as little as possible. From an ecological point of view, it makes no sense to throw away PV modules every 15 years and replace them with new ones.

To underline our confidence in our products, we give 30 year product and performance warranties on all Vision and EasyIn modules.

**At the end of the 30 years, our modules are guaranteed to still have at least 87 % of their original output.**

In the event of a warranty claim, you will experience as little inconvenience as possible.

If repairs cannot be carried out on site, we will replace the modules with new ones – always using the latest versions, of course.

This is just as free of charge for you as the transport that SOLARWATT takes care of.

**It is no coincidence that we call our products "the generational modules". If something should happen, we will handle this as comfortably as possible for you.**



# SOLARWATT FULLCOVERAGE. SECURITY FOR YOUR INVESTMENT.

Some events cannot be guaranteed against. This is why all our glass-glass modules are also covered by free insurance – SOLARWATT FullCoverage. With this comprehensive insurance you are protected for 5 years against:



## Extreme weather damage

Weather extremes and natural phenomena are increasing in frequency and intensity as a result of climate change. SOLARWATT protects your photovoltaic system against damage caused by flooding, storms, lightning, or other storms.



## Theft and Vandalism

In the event of intentional destruction, or theft of individual components or the entire system, the costs incurred for repair and restoration will be reimbursed. Of course, the costs for spare parts will always be covered.



## Yield Loss

A defective solar power system does not produce electricity. This loss of income will be reimbursed and that will continue until the system has been repaired or rebuilt. In the event of damage you are truly protected.



## Yield Shortfall

You should be able to rely on planned yields. If the annual yield of your photovoltaic system is below the calculated forecast during weak solar periods, you will also be reimbursed for this loss of revenue.

### Insured maintenance measures

In the event of a total loss, the insurance pays the price for a new system. In addition, expenses such as packaging, installation, and necessary repairs will be reimbursed.

For individual damages, costs for dismantling, assembly, cleaning, and disposal work will be borne. This also includes costs incurred for earthwork, paving, bricklaying, and chiselling work as well as the provision of scaffolding.

### Valuable protection

SOLARWATT FullCoverage, worth 500 €, is free of charge for 5 years.

### Activating your insurance cover

Your FullCoverage insurance is active immediately after registering on the SOLARWATT website. Your installer can help you register your SOLARWATT products.



## EASYIN IN-ROOF MODULES. YOUR ROOF PAYS FOR ITSELF.

**EasyIn photovoltaic modules replace conventional roof tiles. They protect your home just as reliably as a normal roof and simultaneously produce the electricity for your house.**

### **No redundant costs**

With EasyIn you need significantly fewer roof tiles. This saves you both material and labor costs for roofing.

With our in-roof solution, your roof is no longer just a protective cover. It transforms into an environmentally friendly energy supplier.

### **Quick installation**

EasyIn modules are designed to be installed on the same framework as roof tiles. No additional frames or mounting systems are required. The completion of your roof is just faster! With EasyIn, all roof features, such as windows and chimneys, can be easily installed around.

### Aesthetic optics

With their narrow profile, EasyIn modules fit perfectly into the roof. Your house becomes an eye-catcher. Thanks to the integrated design, your photovoltaic system transforms into a value-adding part of your home.

### Clever investment

As soon as EasyIn is installed, your roof starts working for you. Before you've even made the first mortgage payment, your roof will be producing free solar energy and lowering your electricity bills.



### Better yields

The cooler they are, the more electricity solar modules will generate. EasyIn combines the yield advantages of glass-glass technology with clever cooling. The built-in ventilation system prevents excessive heating of the modules and ensures consistently high performance.

### Proven technology

EasyIn has been on the market since 2012 and we've already installed double-digit megawatts of modules. Our in-roof solution has been tried and tested many times over.



## OUR GLASS-GLASS MODULES: ROBUST EVEN IN HAILSTORMS

*A normal hail test only uses hailstones with a diameter of 25 mm and a speed of 85 km/h. We wanted to be certain so we upgraded the test to launch hail stones with a diameter of 45 mm at the module at 110 km/h. Conclusion: not even a scratch.*

*The resistance of glass-glass modules to hailstorms has also been confirmed in practice. In areas with intensive hailstorms, SOLARWATT modules exhibit the same robust behavior as in the laboratory.*





## VISION 36M GLASS. SOLAR POWER FROM A CARPORT ROOF.

**These modules have been specially developed for overhead structure use and can replace any conventional glass roof. The laminated safety glass guarantees maximum safety and aesthetic architecture.**

### Seamless construction

The Vision 36M glass is suitable for the design of carports, verandas, green houses, or balcony roofs. These special modules do not require a frame and can therefore be seamlessly joined together. Combining them with tailor-made glass panes will create the exact roof you desire.

The attractive light and shadow patterns will make your solar solution a real eye-catcher.

### Let the light in

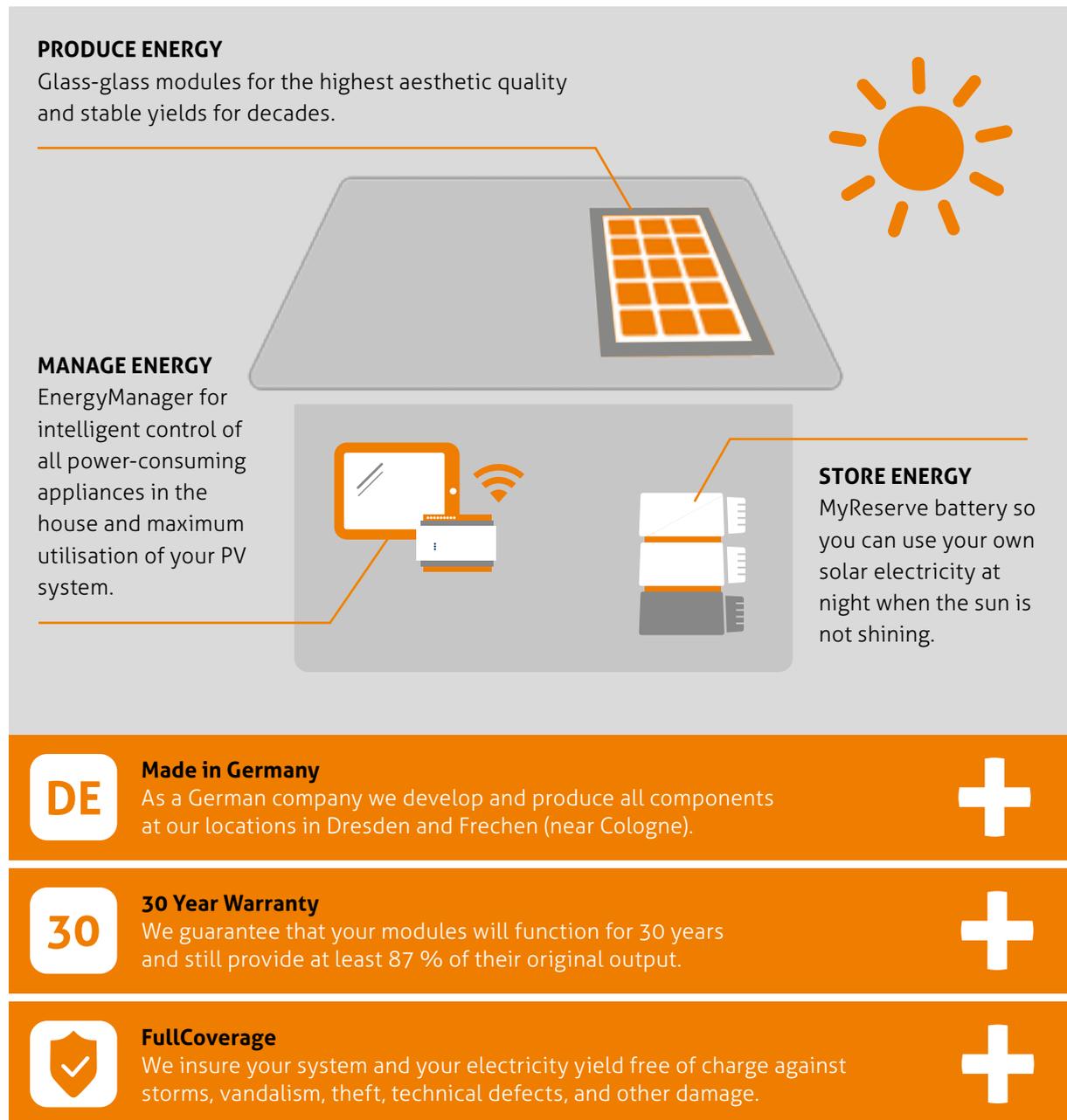
The 20 % transparency of the modules, which is unique in the industry, ensures ideal brightness underneath. They can also be used specifically as shading elements.

### Play it safe

Similar to a car's windshield, no dangerous glass splintering will occur even under massive force. This is another reason why Vision 36M glass modules are officially approved as building material (AbZ).

# POWERFUL AND COST-EFFECTIVE. THE SOLARWATT SYSTEM APPROACH.

**SOLARWATT is the only supplier to produce all the essential components of your solar system itself: PV modules, energy managers, and battery storage. These building blocks complement each other perfectly and using them together strengthens their efficacy. The result for you: maximum efficiency and independence.**



**If you have any questions, please do not hesitate to contact us:**

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DEPENDABLE.  
INDESTRUCTIBLE.**

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