



Creating a Powerful Future

Discover Solar Fabrik

Innovation, quality & sustainability





Solar Fabrik

Solar Fabrik GmbH is a leading German manufacturer in the photovoltaic sector. We are characterised by our high-quality solar modules and our contribution to the energy transition.

In 2016, Christian Laibacher took over the "Solar Fabrik" brand and founded the company Solar Fabrik GmbH. Today, it is a family-run company based in Laufach. We combine experience with innovation and technology in the field of solar energy. Our high-quality solar modules stand for reliability, safety, aesthetics and German quality.

Our mission is to support everyone in the energy transition. Because we strive for a world in which sustainable energy is accessible to everyone and everyone can actively contribute to climate protection. Through innovative solutions and strong partnerships with companies and research institutions, we want to combat climate change and limit global warming to 1.5 degrees. And with our solar modules, everyone can play their part. Together we can create a better future.

Creating a Powerful Future

"At Solar Fabrik, we are convinced that everyone can make a contribution to the energy transition. Our solar modules help with this - with top quality and very high energy efficiency."

Lukas Staab - COO

2016

Christian Laibacher takes over the brand and a production line of Solar Fabrik AG. Foundation of Solar Fabrik GmbH.

2018

Expansion of the brand, extension of the product portfolio and relocation of production to China.

2021

Expansion of Solar Fabrik and construction of the new company headquarters in Laufach.

2022

Move into the new office building in Laufach and first Tier 1 Award.

2023

Planning for the production halls at the additional site in Hösbach. Expansion of the product portfolio.

2024

Start of construction of the production hall for the "Made in Germany" line - planned start of production from Q2 in 2025.



0,003%*

Low complaint rate

Outstanding reliability and customer satisfaction.

30

Years of practice

Expertise through many years of industry knowledge.

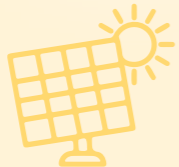


75

Employees

Committed and qualified team.

750 MW*



delivered module output

Solar capacity

2025

Made in Germany

Start of our own production at the Hösbach site.



10+

countries supplied

Expansion and growth in Europe and beyond.



22.000

Consumers surveyed

EUPD confirms that Solar Fabrik is one of the most popular brands.

*Figures from 2023



Future Look

Corporate goals

We aim to expand our market presence nationally and internationally and reach many new customers through strategic partnerships.

Product

We want to continuously improve the efficiency and durability of our high-quality solar modules through technological innovations.

Regional responsibility

Our aim is to continue to strengthen the local economy and to sensitise the younger generation to sustainability and renewable energies.

Environmental goals

We focus on sustainable production methods and the responsible use of resources. This also includes compliance with EU regulations such as REACH and ROHS.

Made in Germany

We want to reduce our dependence on China and will start with 300 megawatts of solar module production in Hösbach, in the Aschaffenburg region, in 2025.



6 reasons to choose us

01

Innovation leader in solar technology

Solar Fabrik GmbH is a family-run company with many years of experience in the solar industry. For more than two decades, our experts have had extensive expertise in the field of solar modules. Our company is based in Laufach, Bavaria, and our solar modules make us one of the best suppliers in Germany.

03

German support and warranty specifications

Dedicated German customer support and strict adherence to our warranty standards in accordance with German standards are central to us. These measures ensure that our customers always receive excellent support and that their investments are protected in the best possible way.

05

Multiple awards for our modules

Solar Fabrik GmbH has received several awards, including the prestigious EUPD award. According to a recent survey, 50% of respondents choose a Solar Fabrik module when it is offered.



02

30-year guarantee and minimum return rate

We offer our customers an industry-leading guarantee of up to 30 years on product and performance. With a complaint rate of just 0.003% in 2023, we set the standard for reliability and quality assurance.

04

Innovative technologies for maximum efficiency

Our solar modules utilise the most advanced technologies on the market, such as halved cells and bifacial half-cell technology. This ensures the highest efficiency and energy yield, even under demanding conditions.

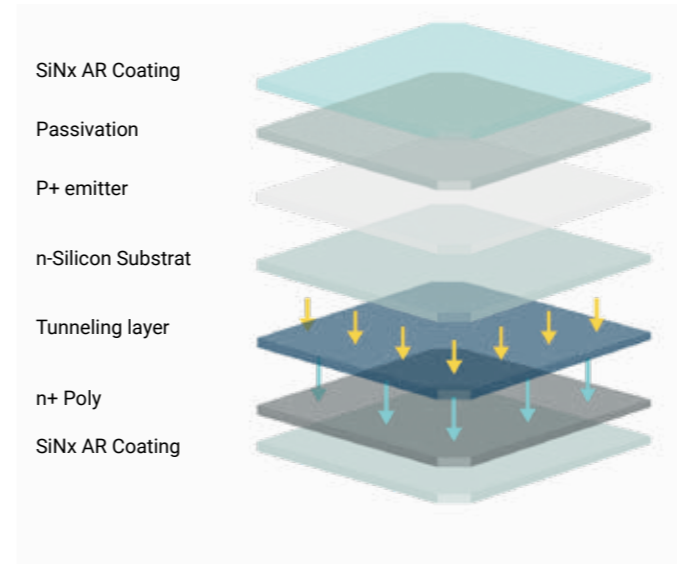
06

Flexibility through future in-house production

Thanks to our planned production in Germany, we are ideally equipped to respond flexibly to individual customer requests and specific requirements. The customer's wishes are our focus.

Our technologies

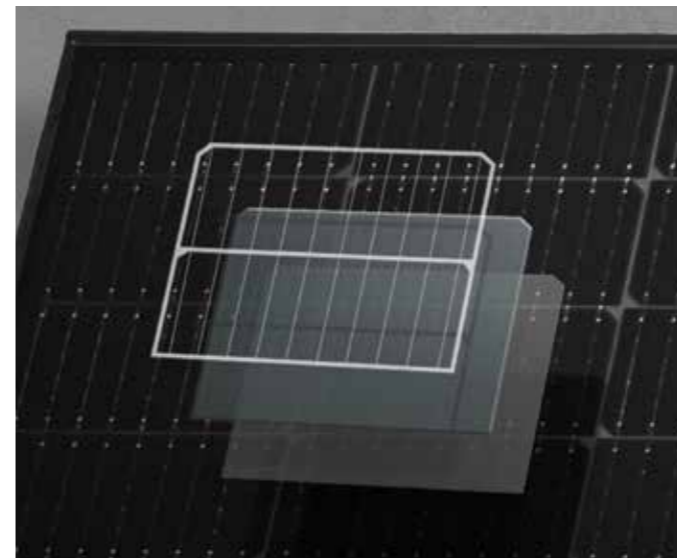
Technological innovation for the highest demands: Find out more about Halfcut, glass-glass and N-type - the building blocks of our leading solar technologies.



N-Type

TOPCon stands for Tunnel Oxide Passivated Contact. This technology helps to prevent energy losses by efficiently retaining charge carriers. There is a positively and a negatively charged wafer layer. The difference to P-type technology is that the lower layer is now positively charged and the upper layer is negatively charged. When activated by sunlight, the difference in charge causes the smallest particles to move between the layers. Electricity is generated.

These modules are efficient and robust, particularly suitable for use in hot regions.



Halfcut

Half-cell solar modules, also known as halfcut modules, are an advanced technology in the field of photovoltaics. These modules consist of solar cells cut in half, which, despite using the same materials, provide 2-3 % more power than conventional full-cell modules.

Thanks to the halfcut technology, half-cell modules have a lower power loss, which leads to a higher efficiency and energy yield. They also offer optimised temperature behaviour, which is particularly advantageous in low light conditions. The design of the half-cell modules is particularly innovative.



Glas Glas

Our glass-glass modules with bifacial cells absorb both direct sunlight and reflected light from the ground, which enables a significant increase in performance. Thanks to the double glazing, the light can shine through the cells and be reflected by the ground. Ideal for flat roofs and large ground-mounted systems due to their robustness.

We offer different versions of these modules: White, Black and Full Black. White mesh lines (White Mesh) reflect the light efficiently into the cells of the S4 Trend White. The S4 Trend Black blends in perfectly with its surroundings thanks to the transparent spaces between the cells. The S4 Trend Full Black is our blackest module and an aesthetic eye-catcher.

Where do our modules come from?

We have been using contract manufacturing in China since 2018. This means we work with companies in China that produce the solar modules on our behalf and according to our specifications. We use tests from ongoing production to ensure that these modules meet our quality and performance requirements. We use recognised institutes (e.g. TÜV Nord) for this purpose. We also ensure that our modules comply with EU REACH and

ROHS requirements. We also exclude the issues of child and forced labour through corresponding contracts and specifications. For our customers, this means that they receive solar modules that meet German quality standards, with top performance, in compliance with all legal requirements and at the best possible price/performance ratio on the market. This is underlined by the very low number of complaints in 2023 (56 cases) and a defect rate of less than 0.003 per cent of our delivered modules.

Made in Germany is coming

The ground-breaking ceremony was in May 2024. solar module production at Factory One in Hösbach, Aschaffenburg.



“While the established companies are shutting down their production in Germany, we believe in Germany as a location. Solar modules manufactured in Germany have a market and we are tapping into it,” says Solar Fabrik CEO and owner Christian Laibacher. Solar Fabrik is focussing on N-TYPE TOPCon and heterojunction technology. Factory One will have a capacity for 300 megawatts of annual production. “We already have a further 14,000 square metres of commercial space to expand production to up to 1 gigawatt, depending on the market situation,” adds Christian Laibacher.



We produce in Germany with the largest possible European share

Solar Fabrik plans to procure over 50% of its components from European sources. “As soon as the availability is given, we will negotiate to produce solar modules with the highest possible European share,” explains Lukas Staab, COO of Solar Fabrik. “Production in Germany allows us to respond flexibly to customer requests and building regulations.” According to EUPD, the solar modules sold via wholesalers are among the most popular brands in Germany. “With production made in Germany, we are strengthening the Solar Fabrik brand and expanding our market

share,” says Yves Tamborini, Head of Business Development. “German manufacturing makes our production tangible for dealers and specialist partners and supports our sales strategy. This year, many new customers have already been won over by this strategy, which further strengthens our position as a leading supplier of solar modules made in Germany.

We invest in Germany

Solar Fabrik is deeply rooted in northern Bavaria, specifically in the Spessart region, and actively assumes responsibility for the local community. We are demonstrating our strong commitment to the regional economy by initially investing 6 million euros and creating around 20 jobs, with further investments of 25 million euros planned for over 300 jobs. We are financing these investments from our own resources, thereby promoting local value creation. Our future production in Germany will enable us to comply with

high environmental standards and optimise the carbon footprint of our solar modules, making an important contribution to climate protection. As an employer, we offer fair working conditions and focus specifically on training programmes in order to pass on the topic of sustainability to the next generation. We are also actively involved in social and cultural projects to enrich and support life in our region.

We are proud not only to be economically successful, but also to be recognised as a responsible part of our community.

Megawatt production in a phased model with shift operation

We have deliberately decided to build up German production according to a phased plan. This ensures that the production volume adapts to market demand and that the “Made in Germany” project is on a sound economic footing.

