



*SOLON. Components of the future.
Modules and inverters.*



The greatest energy is found in new ideas.

970 trillion kilowatt hours. That is the amount of energy the sun sends down to earth every day. Why should we ignore the chance to use this inexhaustible source of energy in a meaningful way?

Not only is SOLON Germany's first listed solar company, it is also one of Europe's leading providers of solar modules, intelligent system solutions for power plants, and solar investments. For more than a decade now, we have been developing forward-looking projects across the globe through our subsidiaries in Germany, Switzerland, Austria, Italy, and the USA.

With intense scrutiny to every technical detail in all our projects it is equally as important to us to get a clear view of the bigger picture. If we can use photovoltaics in a responsible manner, we can solve the great challenges of our time: from the increasing cost of electricity to the finite supply of fossil fuels and the impact of climate change.

*"We are passionate fighters for ecological change in the energy market.
We revolutionize solar power with our innovative solutions.
We are: The Pioneers of Power."*



*When it comes to solar modules,
only three things matter:
quality, quality, and more quality.*

SOLON sets standards for efficiency and reliability. When developing our products, we not only use the best materials and the latest technologies, we also rely on the knowledge and experience of leading solar energy experts throughout Europe and the USA.

A solar energy system is a long-term investment and should be designed to generate profits for a period of at least 30 years. To do that, you need solar modules that can fulfill the most demanding requirements.

The quality conveyed by the visual impression of SOLON modules is further underscored by their technical advantages: our modules combine strong yield performance with outstanding service life.

These qualities are no mere coincidence: SOLON is one of Europe's largest manufacturers of photovoltaic modules. Our monocrystalline and polycrystalline solar modules convince with their extremely high efficiencies – in the 130 Wp to 240 Wp power range.

Quality is always in the details. The components of the module.

Cell technology. Efficient and innovative.

Our research and development focuses on using the latest advances in cell technology. A decisive part of that is efficiency, and SOLON modules can achieve an efficiency of up to 14.6 percent. Another important factor is optimal low light performance, which is why our modules function well in regions with low levels of sunlight.

To ensure that each specific system can achieve the highest possible yields, we grade module classes in 5 Wp increments. And we guarantee performance tolerances of ± 3 percent. As a result, the modules can be connected to inverters in an extremely precise manner.

The frame. Stable and durable.

The SOLON frame system is surrounded by a single anodized aluminum extruded profile. Unlike other systems, the SOLON frame is inserted rather than screwed in for increased stability. Moreover, we do not use any corrosive components. Drainage holes are also included to further increase resistance and prevent water from becoming trapped inside and causing the frame to deform in frosty conditions.

The connection socket. Resilient and safe.

We put a lot of effort into protecting the internal connections in SOLON connection sockets. The compact and high-quality external housing of the SOLON socket meets the highest safety standards and is IP 65 compliant. It ensures optimal heat dissipation for maximum module output.

Solar glass. Highly transparent and robust.

The extra-hardened, low-reflection 4 mm solar glass of the SOLON modules offers the highest level of transparency. And it ensures high yields for decades. The glass must also be able to withstand extreme weather conditions, from snow to hail or even a sand storm. That is why we only use solar glass from experienced and renowned manufacturers.

Cell junction technology. Innovative and aesthetic.

We rely on innovative junction technology to connect our solar cells. Thanks to special processing techniques, SOLON modules are manufactured without any visible cross connectors.





*Swiss precision work.
For worldwide use.
SOLON inverters.*

SOLON inverters, which are developed near Zurich, have extremely high efficiencies thanks to the latest chip technologies and innovative manufacturing techniques. Through the use of premium components and integrated protection functions, they also provide a high degree of reliability.

**From the sun into the public power grid.
SOLON inverters.**

Grid-connected inverters convert the direct current produced by the solar modules into alternating current and then feed that current into the public power grid. Our devices consume a very limited amount of power and can therefore transfer maximum power to the grid.

The heart of our inverters: the latest generation of Digital Signal Processors (DSP). Two standard communication interfaces (USB and CANopen) allow you to access and analyze the operating data of the previous two years from the integrated data logger.

**Extreme loads are totally normal.
SOLON off-grid inverters.**

Our off-grid inverters generate a pure sine wave output. Advanced RISC processors (Reduced Instruction Set Computing) are responsible for sinus generation while monitoring the battery bank and the operating status of the inverter.

SOLON off-grid inverters also have an extremely high overload capacity and are short circuit proof. They can even operate with an overload of up to 300 percent for a few seconds – a real advantage when starting up compressors, pumps or heavy machines.



SOLON service.

*For us, everything revolves around the sun.
And your needs.*

SOLON not only offers the best photovoltaic components, but also a complete package of additional services. So that your system runs smoothly for decades to come.

SOLON solar insurance.

We offer a special all risks insurance policy for roof-mounted systems*. It covers any and all damage to the entire system, including yield losses, and is free of charge for the first two years after commissioning.

SOLON warranty.

All SOLON modules are covered by a performance guarantee of 90 percent within 10 years and 80 percent within 25 years. SOLON off-grid inverters come with a 2-year device warranty while our grid-connected inverters have a 5-year warranty. The warranty for grid-connected inverters can also be extended to 11 years if requested.

Free module recycling.

With this service we help make sure that raw materials are returned to the economy. We are able to recycle at least 80 percent of the raw materials, which means a lot less waste for our environment.

High delivery reliability.

With SOLON you can plan all your projects on schedule. If need be, we can even make just-in-time deliveries.

Custom designs.

In cooperation with an array of excellent architects and builders, SOLON has already implemented a number of outstanding construction projects. We can also deliver custom manufactured modules to meet your specific needs.

Further information.

You can find out more about SOLON products and services at www.solon.com.

Our service team will also be happy to answer your questions personally. Please contact our sales offices in Germany, Switzerland, and Italy.

* Valid for Germany, Spain, Italy, Denmark, Poland, Czech Republic, Austria, Switzerland, France, Luxembourg, Belgium, Netherlands, Finland, Sweden



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