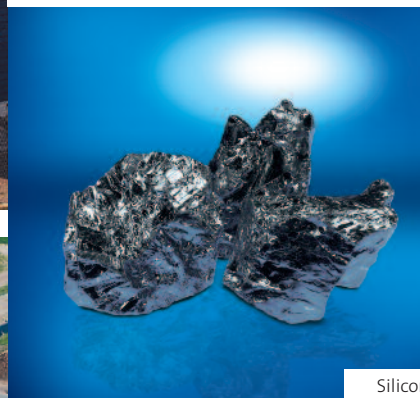


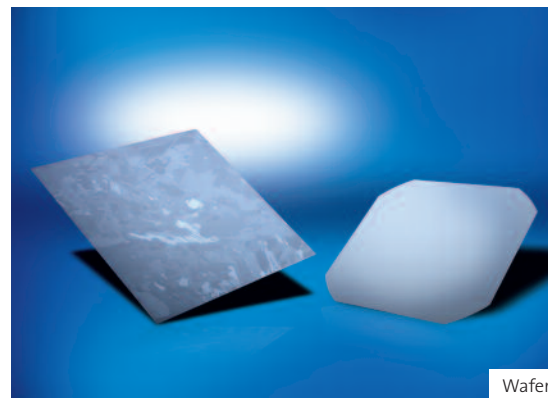


High quality every step of the way

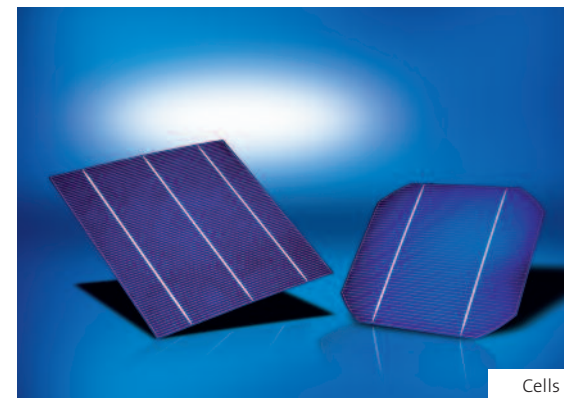
SolarWorld AG with sites in Germany, Sweden, Spain, Asia, Africa and the USA is one of the world's largest solar companies. All products from raw silicon to large solar systems are produced within the Group. Consistent quality management and state-of-the-art R&D departments guarantee highly efficient products highly efficient products that last. SolarWorld® also recycles all conventional solar power modules, thereby maximizing solar energy's environmental benefits.



Silicon



Wafers



Cells



Modules



Systems



Recycling



Years of experience in all solar applications

You can trust SolarWorld®'s many years of experience in the production of modules and complete systems. Ideally matched system components ensure optimum long-term yields and trouble-free operation. Whether for single-family houses or apartment buildings, commercial or industrial rooftops, agricultural buildings, or large solar power systems – you can rely on individually configured complete systems for every area of application. SolarWorld® offers photovoltaic systems that generate the optimum amount of power in a wide range of situations.

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The text and illustrations are technically up-to-date at the time of going to press. Subject to modifications.

Sunmodule⁺
Quality and performance

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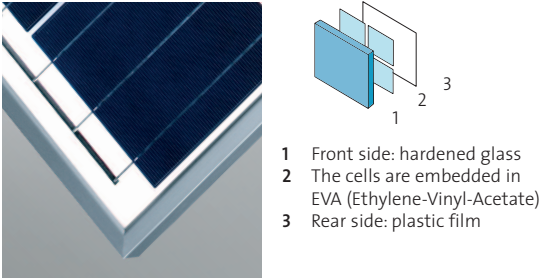


Top-quality products for every application

The Sunmodule Plus® is produced in SolarWorld®'s state-of-the-art, fully automated production plants to the highest possible standards of quality. The 5" or 6" cells and the different module dimensions make the mono- and polycrystalline products suitable for all solar power applications – from a residential rooftop to a large-scale plant.

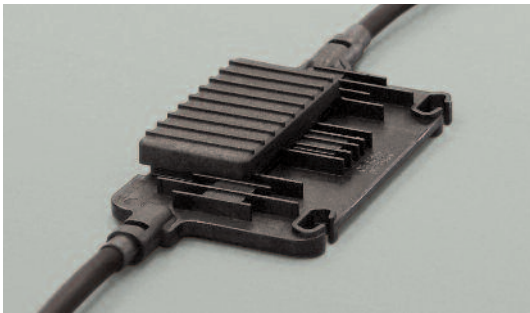
Design

The cells are protected by hardened-glass protective glazing and are embedded in transparent EVA (Ethylene-Vinyl-Acetate). The rear of the module is sealed using a high-quality plastic film. The outstanding stability of the Sunmodule Plus® is a direct result of the depth at which the glass is inserted in the frame and the full adhesion of the laminate to the frame using silicone sealant.



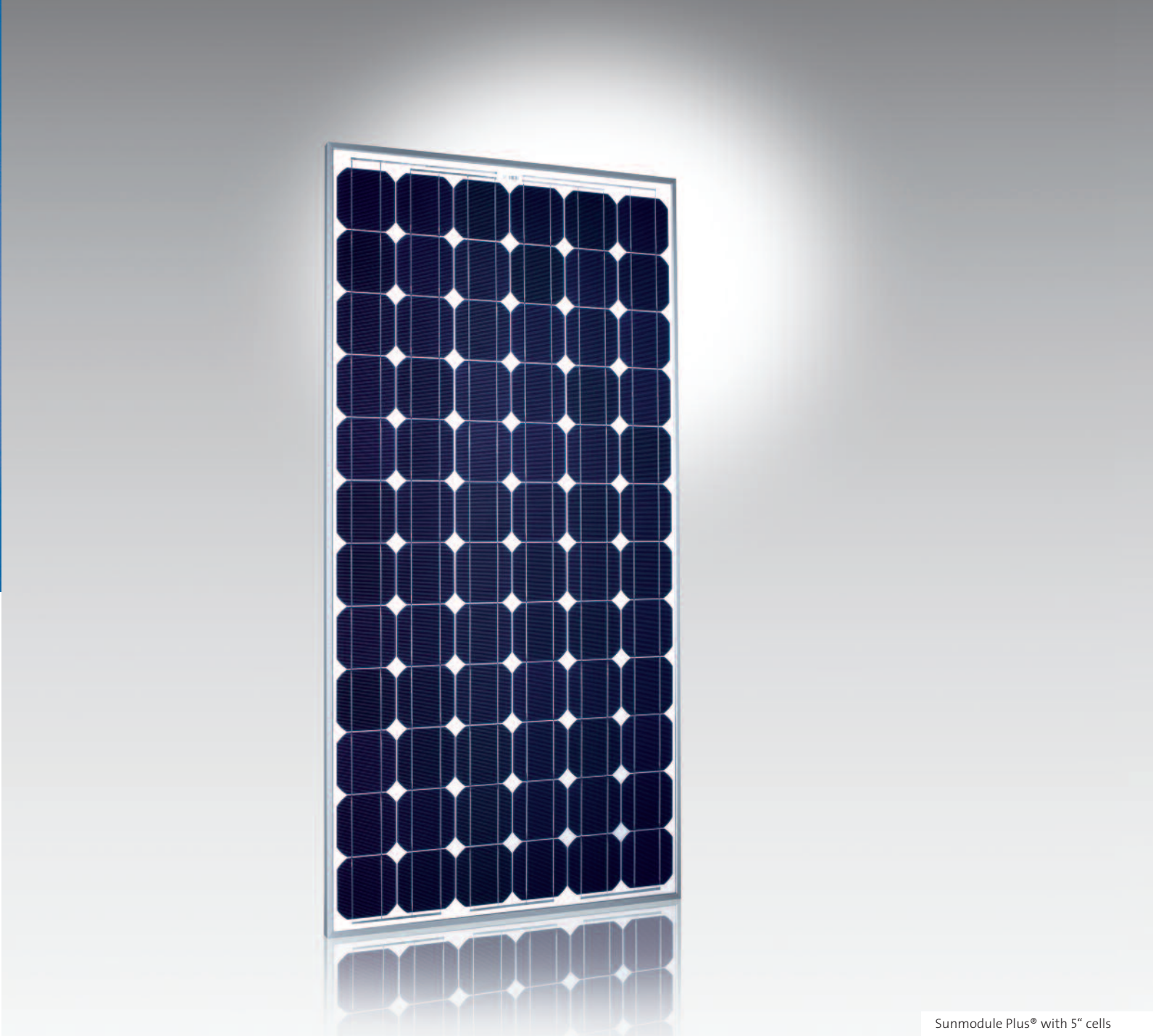
Electrical connections

The patented, flat compact junction box provides perfect protection against corrosion, as well as the capacity to rapidly dissipate any excess heat providing lower operating temperature. The junction box is reliably connected by a solid, welded bond to guarantee lasting functionality. High-quality, robust cables with factory equipped connectors complete the high-reliability design. The ability to recycle the modules and a 25-year performance warranty are the finishing touches to this top-quality product.



Quality control

Continuous monitoring and control of the manufacturing processes, from the wafer to the cells to the completed module, guarantee that the high quality standards of the product are met. Company-integrated process tracking and a comprehensive quality management system ensure a constant high level of quality for each and every product.



Sunmodule Plus® with 5" cells



Sunmodule Plus® with 6" cells

High-quality, reliable, high-performance

Using 5" or 6" top quality cell technology, the Sunmodule Plus® is suitable for use in many areas. Whether for roof or ground-mounted systems – a complete line of Sunmodule Plus® modules is available for planning and design.

The following product properties make the Sunmodule Plus® stand out:

› Ascending sort

The ascending sort (based on the corresponding flash report carried out by SolarWorld®) ensures the highest possible system efficiency. The rated output of the modules in 5 Watt steps dispenses with the time-consuming task of sorting the modules on site.

› High rigidity

The glass is set deep into the module frame and they are firmly attached to each other by silicone that is continuously applied precisely where it is needed.

› Wide range of applications

Tests carried out in accordance with IEC 61215, applying increased loads of up to 5.4 kN/m², confirm the suitability of the Sunmodule Plus® for use in areas where heavy snow and ice loads can occur.

› Constant performance

The wide frame and its flat transition to the glass surface increase the self-cleaning effect of the Sunmodule Plus® and prevent performance loss caused by dirt deposits.

› Frost protection

Holes in the hollow section prevent the build-up of condensation water caused by temperature fluctuations and also prevent damage to the frame from freeze-thaw cycles.

› High flexibility

The minimum distance between the cells and the module frame allows the Sunmodule Plus® to be installed horizontally as well as vertically.

› Global quality standards

Certification of the Sunmodule Plus® in accordance with IEC- and UL-standards proves the product satisfies international quality control standards.

› Long-term performance warranties

The ability to recycle the modules and a 25-year performance warranty provide the finishing touches to this top-quality product.