

Sunmodule⁺

Quality and performance



www.solarworld.com

We turn sunlight into power.



**NEW! 25-YEAR
LINEAR PERFORMANCE
GUARANTEE AND AN EXTENDED
10-YEAR PRODUCT
WORKMANSHIP WARRANTY***

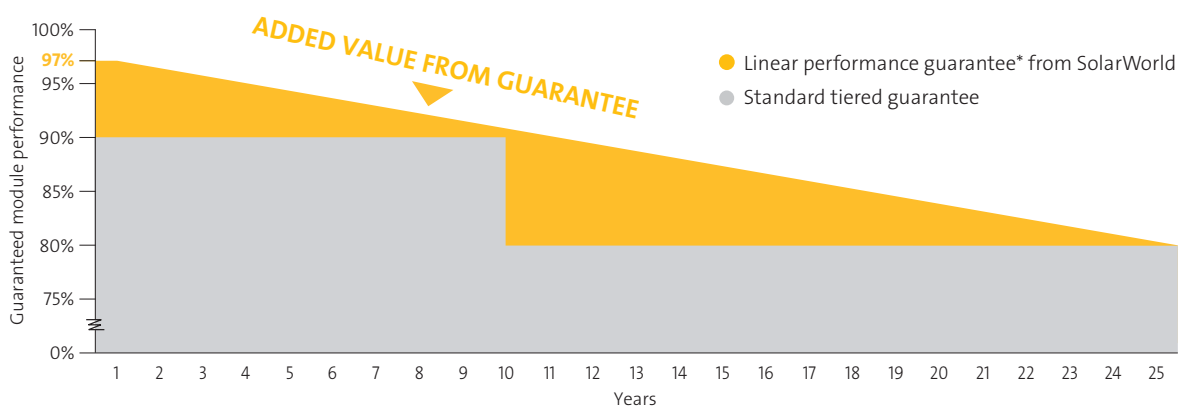
Our quality, our warranty, our service

If you produce maximum quality, you can provide a maximum guarantee. SolarWorld is the first solar company to offer a linear 25-year performance guarantee.*

SolarWorld guarantees that on average annually, the performance of the module cannot deviate from the specified rated power by more than 0.7 percent. For example, SolarWorld guarantees performance at 95.6 percent in the third year – clear added value compared to standard guarantees, which promise only 90 percent and can even drop to 80 percent over time.

In addition to the 25-year linear performance guarantee, SolarWorld also offers an extended 10-year product workmanship warranty*. This warranty applies to all SolarWorld quality modules and goes well beyond the two years required by law. With this change, our warranties now provide double protection for our customers investments.

Linear performance guarantee*



Quality control

SolarWorld maintains a consistently high level of quality for each and every product through continuous monitoring and control of the production process, from wafers and cells through finished modules. The SolarWorld Group's comprehensive quality control system ensures that all of our products meet the highest demands for quality and reliability.

* in accordance with the applicable SolarWorld service certificate at purchase | www.solarworld.com/service-certificate



- Ammonia resistance tested
- Periodic inspection





Sunmodule Plus® poly

High-quality, reliable, high-performance

The Sunmodule Plus® as well as the new Sunmodule Plus black® which stands out due to its homogeneous black surface, prove to be perfectly suited for use in a wide variety of applications. Whether for a pitched or flat roof, open spaces or a SunCarport®, an extensive range of SolarWorld products are available for planning and mounting.

> Sunmodule Plus SW 225-250 poly

> Sunmodule Plus SW 235-250 mono black

> Sunmodule Plus SW 150-160 Compact mono black



Power
controlled

New certification: TÜV Power controlled

With the new certification label of the German certification body TÜV Rheinland "Power controlled" it is confirmed that the performance indicated for Sunmodule Plus® is complied with and that it is regularly monitored by the independent test service provider TÜV Rheinland. The new certification level complements the existing linear performance guarantee. The thus obtained security for investors and consumers is a further important constituent of SolarWorld's comprehensive quality assurance.



Sunmodule Plus® mono black



Sunmodule Plus® Compact mono black

Sunmodule Plus® outshines the competition:

> **SolarWorld Plus-sorting**

Plus-sorting guarantees the highest system efficiency. Only modules that achieve the designated nominal performance or greater in performance tests are dispatched.

> **Wide range of applications**

The increased mechanical load capacity of up to 5.4 kN/m², tested according IEC 61215 confirms the suitability of the Sunmodule Plus® for use in areas with potential heavy snow and ice loads.

> **Long-term performance guarantee***

SolarWorld guarantees a maximum degeneration in performance of 0.7% p.a. for more than 25 years – a clear additional benefit compared with the conventional two-stage industry guarantees. In addition there is a product workmanship warranty that covers 10 years.

> **Frost protection**

Holes in the hollow section prevent the build-up of condensation water and prevent damage to the frame due to the expansion of freezing ice.

> **High flexibility**

The extra space between the cells and the module frame allows horizontal as well as vertical mounting.

> **Global quality standards**

The Sunmodule Plus® complies with the IEC as well as the UL standards and is thus suitable for installation around the world.

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Years of experience in all solar applications

You can trust in Solarworld AG's years of experience producing modules and complete systems. System components that are ideally matched ensure optimum long-term yields and failure-free operation. Whether it is for single-family houses or apartment buildings, agricultural buildings or large solar power systems – you can rely on our customized systems for every type of application. SolarWorld® modules and systems give you the most energy from the sun.

Top quality across all levels of production

The SolarWorld AG Group is a worldwide leader in offering brand-name, high quality, crystalline solar-power technology. Its strength is its fully integrated solar production. From silicon as the raw material through wafers, cells and modules all the way to turn-key solar systems of all sizes, the group combines all stages of the solar value chain. The central business activity is selling quality modules into the installation and distribution trades and crystalline wafers to the international solar cell industry.



Benefits at-a-glance

> German quality standards

Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.

> TUV "Power controlled"

With the new TUV Rheinland test "Power controlled" it is guaranteed that the performance indicated for a Sunmodule Plus® solar panel is being met and that it is regularly monitored by the independent test service provider, TUV Rheinland. This additional security for investors and consumers is a further testament of SolarWorld's commitment to comprehensive quality assurance.

> SolarWorld Plus-sorting

Plus-sorting guarantees the highest system efficiency. Only modules that achieve the designated nominal performance or greater in performance tests are dispatched.

> 25-years linear performance guarantee and 10-years expanded product workmanship warranty*

SolarWorld guarantees a maximum degeneration in performance of 0.7% p.a. for more than 25 years – a clear additional benefit compared with the conventional two-stage industry guarantees. In addition there is a product workmanship warranty that covers 10 years.

* in accordance with the applicable SolarWorld service certificate at purchase | www.solarworld.com/service-certificate



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