

# Suntech's Added Value

Suntech delivers more than just a solar module

**SUNTECH**  
BE UNLIMITED



**25 years linear performance warranty**  
**12 years product warranty**



**Excellent module efficiencies**



**Positive power tolerance**



**Special 4 busbar design**



**High PID resistant**



**Extended wind and snow load tests**



**Power optimized current sorting**



**Withstanding harsh environment**



**100% EL-Test**



**Excellent weak light performance**



**IP68 rated junction box**



Solar modules are the „core“ of a solar power system. That is why you should rely on the best products available in the market when you select solar modules. There's only one right choice here: Suntech.

With 10 GW of installed power in more than 80 countries, Suntech has one of the largest and most versatile portfolio of installations all over the world. As a globally operating enterprise we stand for market-leading research and development, state-of-the-art production sites, subsidiaries in all continents, as well as financial stability—today and in future.

**Please read the brief summary on the reverse to learn why you can rely on the experience of a world market leader.**

Certifications and standards:  
IEC 61215, IEC 61730, conformity to CE



[www.suntech-power.com](http://www.suntech-power.com)

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# Why Suntech?



## Excellent module efficiencies

Roofs often have limited space for solar systems. The higher the solar module's efficiency the better the surface efficiency of the entire systems. Our solar modules offers above-average efficiencies.

**Your benefit: Suntech power modules get the most out of valuable roof space.**



## Positive power tolerance

Many competitors' solar modules have a power tolerance of +/- 3 %, meaning that, ultimately, system owners receive less output for their money. Our solar modules all enjoy positive power output tolerance of up to + 5W.

**Your benefit: more power ensured for your investments.**



## Special 4 busbar design

Thanks to the unique cell design, Suntech solar modules have a tremendous reduction in electrodes resistance to boost power output. Less residual stress, less cell micro-cracks and hotspot risks will ensure more power generation in 25 years.

**Your benefit: more guaranteed power for 25 years of system operation .**



## Excellent weak light performance

Solar modules must provide optimal power performance for a high yield even on cloudy days. Thanks to the intelligent cell design and the deployment of highly transparent solar glass, our modules exhibit an excellent weak light performance. You thus generate the optimal amount of power in any weather.

**Your benefit: constant high performance of your solar system irrespective of the weather.**



## High PID resistant

Modules easily risk performance reduction under high humidity and high temperature. Suntech solar modules use high volume resistant EVA to limit the movement of sodium ions from the glass to the cell surface which will effectively prevent potential-induced degradation (PID).

**Your benefit: consistently high performance for your solar system.**



## Extended wind and snow load tests

Suntech's solar modules are subjected to the most stringent load tests. In contrast to suction loads of 2,400Pa, which result from dynamic wind loads, Suntech modules withstand suction loads of up to 3,800Pa (~ 270 km/h/168 mph) by default. Moreover, the modules withstand a snow load of 5,400Pa, which corresponds to a weight of 550 kg/m<sup>2</sup>/112.7 lbs./sq ft.

**Your benefit: more security for your solar system's durability.**



## Power optimized current sorting

The weakest link defines the performance of the entire chain. Our module sorting process by amperage ensures easy, time-saving, and performance-optimized installation and that all installed modules of the solar system develop their maximum power.

**Your benefit: up to 2 % higher installed power with the same performance class.**



## Withstanding harsh environment

Solar modules required strict test conditions when installed in harsh environment like seaside, desert, farm, etc. All Suntech modules are tested against salt mist (IEC 61701), sand blowing (DIN EN 60068-2-68) and ammonia (IEC62716) by leading test institutes. Suntech is one of the few manufacturers who performs an additional test to ensure that all modules work reliably also in these environments.

**Your benefit: Suntech modules deliver full performance in harsh environment.**



## IP68 rated junction box

Suntech IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

**Your benefit: a reliable performance even in heavy rainy days.**



## 100% EL-Test

All Suntech modules have passed the electro-luminescence (EL) test, which ensures that our modules have no micro-cracks.

**Your benefit: Suntech ensures more reliability for your modules.**