

Suntech's Added Value

Suntech delivers more than just a solar module

SUNTECH
BE UNLIMITED



10 YEARS
Product
Warranty



Excellent module efficiencies



Excellent weak light performance



Positive power tolerance



Approved for increased wind and snow loads



Ammonia-resistant (TÜV Rheinland)



Self-cleaning effect



Industry leading linear warranty



Power optimized current sorting



Tested against salt mist corrosion (IEC 61701)



Sand blowing resistant (DIN EN 60068-2-68)



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 7 GW of installed power in more than 80 countries, Suntech has an installation basis available that is one of the largest and most versatile installation bases in 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





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 system. Our solar modules offer 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 + 5%.

Your benefit: more power ensured for your investments.



Industry leading linear warranty

With Suntech's linear warranty you receive one of the best warranties in the industry. In the first year 97%, thereafter, for the second year to the twenty-fifth year a maximum decrease of the module's nominal power output of 0.7% per year. Thereby one ends with 80.2% nominal power guaranteed in the 25th year after the defined warranty starting date

Your benefit: more guaranteed power for 25 years 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.



Tested against salt mist corrosion (IEC 61701)

Maritime usage areas put particularly high requirements on modules. For this reason, it is even more important to only use high-quality components that meet this requirements. 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: a reliable system operation in maritime usage areas.



Approved for increased wind and snow loads

Suntech's solar modules are subjected to the most stringent load tests. In contrast to suction loads of 2,400 Pa, which result from dynamic wind loads, Suntech modules withstand suction loads of up to 3,800 Pa (~ 270 km/h/168 mph) by default. Moreover, the modules withstand a snow load of 5,400 Pa, which corresponds to a weight of 550 kg/m²/112.7 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.



Self-cleaning effect

Thanks to an additional, flamed layer on the front glass, Suntech modules feature a particularly high self-cleaning effect which causes dirt and dust to roll off faster. Furthermore, this layer improves reflective behavior. Less sunlight is reflected which causes more power to be produced. A combination that leads to higher yields and consistently high system performance.

Your benefit: consistently high performance for your solar system.



Ammonia-resistant (TÜV Rheinland)

Particularly the use of solar modules in agriculture puts high requirements on the ammonia resistance of the module materials used. All Suntech solar modules are tested using the newly developed test procedure of TÜV Rheinland in compliance with DIN 50916. This procedure strictly tests the performance behavior as well as the behavior of various materials, isolation, and security characteristics.

Your benefit: Suntech modules deliver full performance also in agricultural holdings.



Sand blowing resistant (DIN EN 60068-2-68)

As solar energy proliferates around the world, it is critical to develop solar modules that can perform optimally in different terrains and environments. Passing the Blowing Sand Test confirms that Suntech's solar modules are well-suited for desert regions and can withstand high-velocity sand and windy conditions. The Sand Blowing Test replicates the conditions of a heavy desert sandstorm.

Your benefit: reliability and longevity of solar panels in real life conditions.