

There are many reasons to purchase from WINAICO.

The 6 best:



1. Maximum performance

Two factors are key to the profits gained from photovoltaic systems: firstly the photovoltaic modules must permit as high a specific energy yield as possible and secondly they must work reliably for long periods. This applies even after statutory subsidisation through the feed-in tariff has come to an end – as they continue to supply free electricity that you can use yourself or sell.

WINAICO modules come from a manufacturer which is a specialist in premium quality solar modules. We are passionate about developing, producing and supplying the most cost-effective products of the highest quality standard. Our modules feature high-efficiency cells to guarantee high energy yields. Sorting by weak light and temperature performance ensures stable performance even in diffuse light.

All products are manufactured in Taiwan, home to the world's leading high technology. As a subsidiary of semiconductor manufacturer Win Win Precision Technology, we have direct access to the very latest microelectronics findings. This gives our products a quality advantage that you can benefit from in the form of higher long-term performance.

Simply rating a photovoltaic system by its purchase price is too short-term a view. You need to know how long a system will last, its output during that time and the profit you will make over its entire life.



- + Premium quality photovoltaic modules
- + Insight from the semiconductor industry guarantees quality advantage
- + Use of high-efficiency cells for good light efficiency
- + Cells are sorted by weak light performance to maximise yield
- + Above-average performance guarantee ensures high performance level in the long term

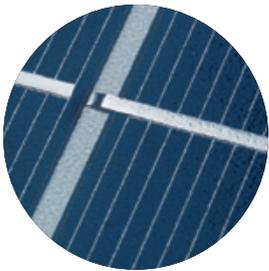


2. Tested quality

Every single aspect of WINAICO photovoltaic modules is designed for high performance in the long term. Stringent quality management from the incoming goods check and complete production chain to a one hundred-percent visual, micro-optical, mechanical and electrical outgoing check ensures the premium quality of every single WINAICO photovoltaic module.

We also continually test the WINAICO modules above and beyond TÜV standards in our in-house test lab. In addition to CE, MCS and UL certification, all our products are certified in line with IEC/EN 61215 (ed. 2) and IEC/EN 61730, protection class II. The modules have also passed the salt spray corrosion test according to IEC 61701 and feature the DLG test mark for resistance to ammonia.

We take quality seriously.



The cells

The solar cells are the module's generator and are key to its output. WINAICO only uses high-efficiency cells displaying the least variance in the manufacturing process. This reliably results in high performance levels for every single module – with good energy yields even during low light levels.



The rear film

Films on the rear protect the components from damp and other external influences. The rear film used by WINAICO is highly resistant to weathering and is the only proven film to reliably protect photovoltaic modules for their full lives (more than 25 years).

The socket

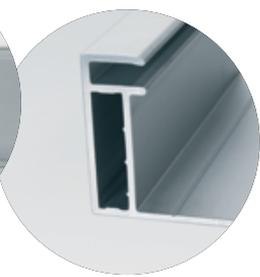
The socket used by WINAICO is of protection class IP65, offering optimum protection from moisture, dirt and UV radiation. In the event of damage, it can be opened so that the module does not necessarily have to be replaced.

- + Strict quality assurance throughout the entire production chain
- + Micro-optic testing of every module to protect against performance-reducing micro cracks
- + In-house test lab continually tests to TÜV standard
- + Ammonia resistance enables use on agricultural buildings
- + The WSP series can be used in coastal regions thanks to its tested resistance to salt spray



3. Excellent design

Fitting WINAICO modules on your roof shows that you care about quality, aesthetics, economy and ecology. Strict quality management and the careful selection of components enable WINAICO to ensure homogeneous modules. Thanks to the unique WINAICO frame design, WINAICO modules display very accurate dimensions and can therefore be fitted in an consistent and attractive fashion. High-quality workmanship means that the modules will stand up to a critical eye even after 25 years or more.



The frame

The frame protects the laminate inside it from thermal and mechanical stresses. The unique WINAICO module frame is made from solid aluminium and delivers maximum stability and protection from material fatigue. Rounded aluminium corner pieces guarantee maximum distortion rigidity and water tightness.

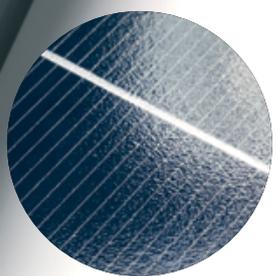
The adhesive tape

Adhesive tape bonds the aluminium frame and glass. Unlike a silicone seal, the adhesive tape offers very good resistance to heat, UV light and chemical attack from e.g. ammonia. The adhesive tape used by WINAICO keeps out dirt and moisture perfectly, is very durable and balances out the different expansion rates of glass and aluminium without causing stress. All in all, it ensures a reliable and long-term bond.



The EVA film

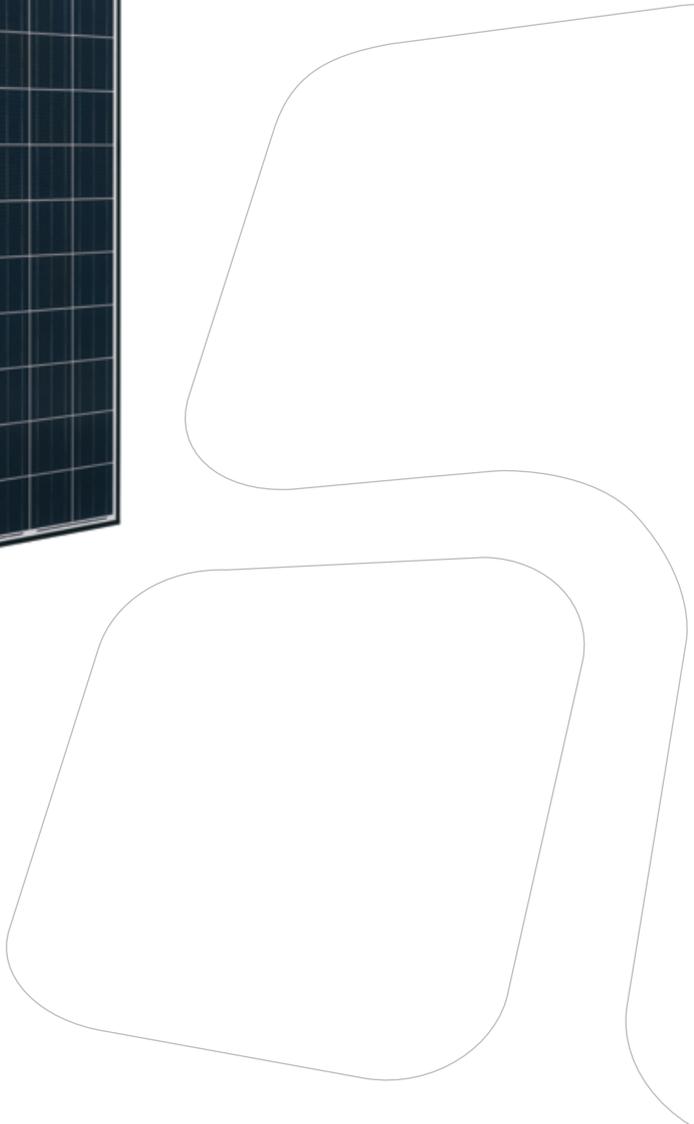
EVA films bond the solar cells with the glass surface and encapsulate the module. The quality films used by WINAICO guarantee insulation and protection over the module's entire life.



The glass

The glass protects the components behind it from the effects of the weather. WINAICO only uses high-transmission face-plate which translates into positive module performance and yield.

- + High module uniformity ensures an appealing look
- + Unique frame design
- + Square 6-inch poly- and mono-cells guarantee an aesthetic overall look
- + Consistent module layout thanks to high dimensional accuracy of modules



4. Maximum investment protection

Maximum performance plus superior quality plus innovative design all translate into maximum investment protection. If you opt for the maximum performance quality of WINAICO you will enjoy more output, more yield and more profit for at least the next 25 years.

To protect your system from damage to property, losses resulting from interruptions to operation and potential reduced yield, we offer comprehensive insurance protection for your entire photovoltaic system when you purchase WINAICO modules. You receive free two-year insurance cover as standard which can be extended by a further eight years – under favourable conditions thanks to the high quality of the product. Whatever happens, with WINAICO your investment is secure.

If you choose to invest in a photovoltaic system from WINAICO, your money is safe. Our modules offer potential returns hard to find from other forms of investment – and your investment is protected from all potential risks.



- + High investment protection thanks to maximum performance, superior quality and innovative design
- + 2 years of free complete system protection upon purchase of WINAICO solar modules
- + Insurance protection can be extended to 10 years
- + "3 in 1" insurance protection for all parts of the photovoltaic system
- + Insurance protection for all risks, interruption to operation and reduced yield
- + Protection for all damage to property, losses resulting from interruptions to operation and potential reduced yield
- + Our insurance providers are the renowned ERGO and Willis Group

Willis
ERGO

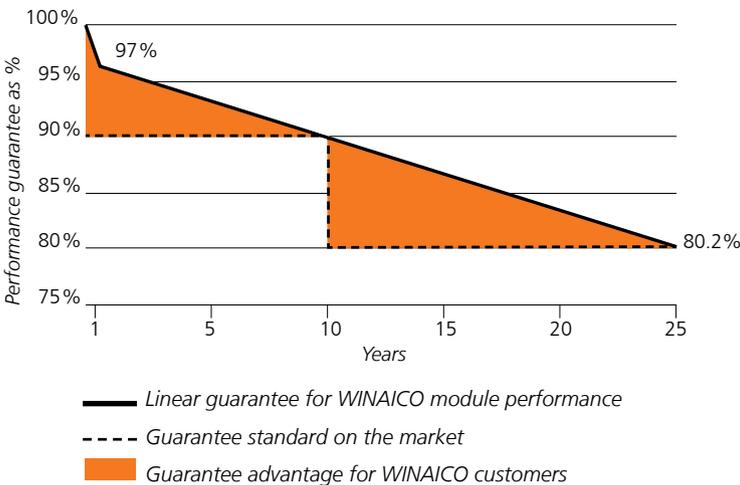
5. Long-term efficiency

Photovoltaic modules are subjected to severe environmental conditions over the course of their 25 years or more of operation. Come hail, snow or heat, photovoltaic modules need to permanently deliver peak performance in order to achieve good profits. The use of high-quality components is key to this. At WINAICO we only ever use first-class, weatherproof components from market leaders who are the best of the best. This is your guarantee that your system will still be delivering high performance in 25 years time – and generating free, environmentally friendly electricity.

As a manufacturer, we also ensure that WINAICO modules do what we promise they will. A 12-year product guarantee and a linear performance guarantee, lasting 25 years, provide you with peace of mind.



25-year linear performance guarantee



When you buy a WINAICO module, in the first year we guarantee a performance of at least 97% of rated performance. For the following 24 years, WINAICO guarantees a maximum drop in performance of 0.7% of nominal performance per year. Through this promise, WINAICO guarantees the quality and performance of its own products and provides you with investment protection.

- + Use of superior quality components only
- + 12-year product guarantee (not including the laminates)
- + Positive tolerances of 0/+5 Wp (standard modules)
- + Linear performance guarantee of 25 years
- + Modules can be returned via PV-Cycle



6. Expert partner

WINAICO works directly with specialist partners to guarantee you the best advice, planning and installation.

We have worked with over 500 partners the world over to build thousands of systems which generate more than 5 gigawatt-hours of solar power a year – and ensure safe profits for their owners from an environmentally sound investment.

Branches around the world assist with direct marketing, sales, system installation and efficient after-sales service. By using our own sales and logistics structure, the goods reach our partners in a few days, where they can be installed in a flash.



- + Direct sales exclusively via specialist partners
- + More than 500 partners around the world
- + Several thousand modules already installed the world over
- + Rapid delivery thanks to good availability of products
- + Own sales and logistics structure
- + Support for renting roof space and initiating solar projects





Power to Perform

Your local partner

WINAICO is a trademark of Win Win Precision Technology Co., Ltd.

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