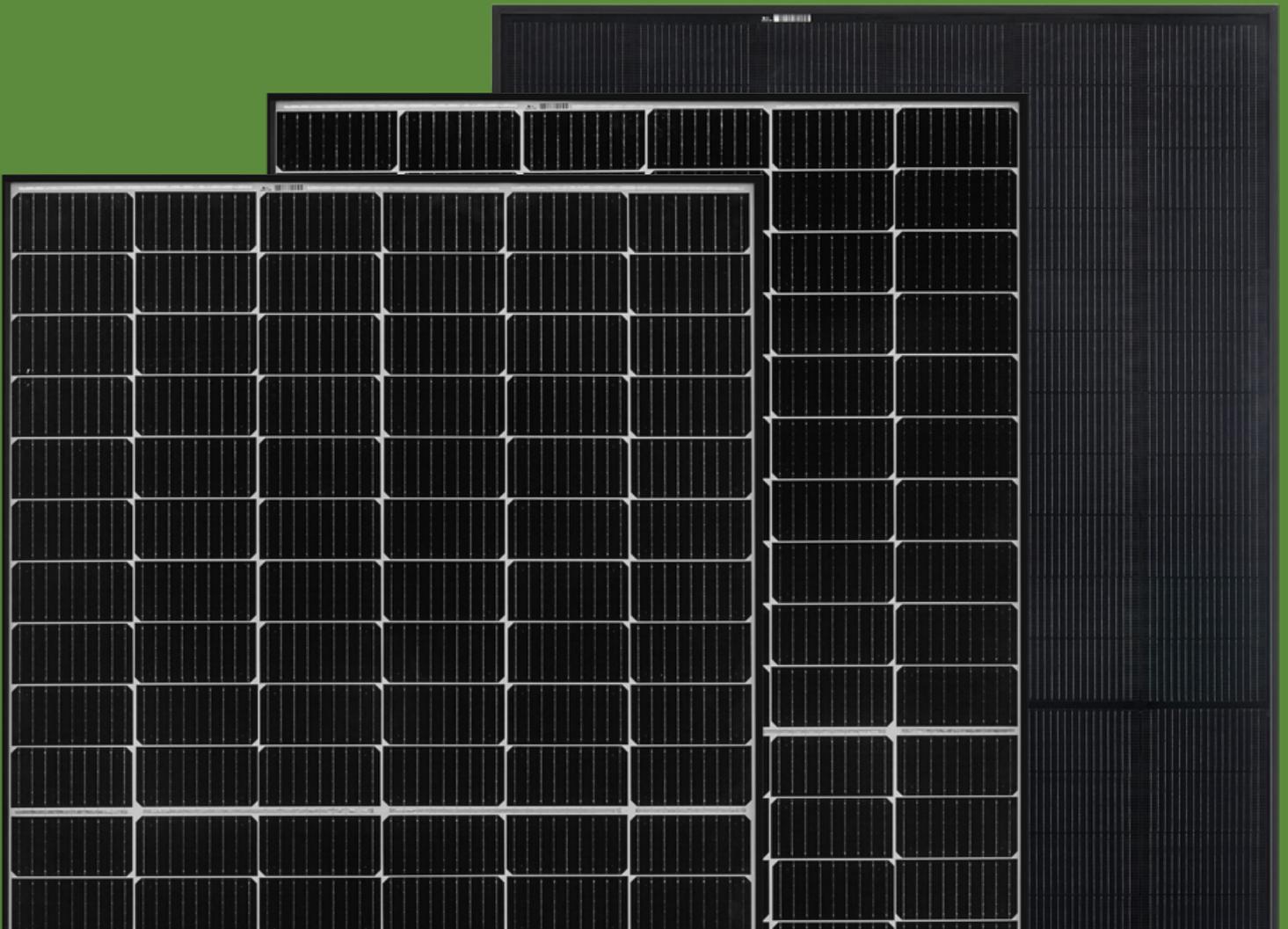


SOLAR'S MOST TRUSTED



# REC TWIN DESIGN TECHNOLOGY

INNOVATIVE DESIGN CONCEPT GIVES REC SOLAR  
MODULES SUPERIOR PERFORMANCE AND POWER



# REC TWIN DESIGN

## Setting new standards in solar module efficiency

First introduced to the market in 2015, REC's Twin Design uses a series of unique and innovative technologies in a ground-breaking cell layout, to give you a high efficiency and high power output product.

Based on a pioneering design using half-cut cells, the REC Twin Design combines different technologies which result in extra power and a class-leading efficiency of up to 21.9%.

## Get more power out of the available space

Packing in the technological advancements shown below means REC Twin Design gives you more power per square meter ( $W/m^2$ ). This means that in areas with limited space, such as rooftops, you can fit in more electricity generation capacity and make maximum use of all available space.

- Half cut cells**  
Laser cut cells reduce internal resistance for higher power output, higher efficiency & increased reliability.
- Super-strong frame**  
The unique frame with support bars withstands loads up to 7000 Pa, protecting the module for long-lasting high power.
- Rear side passivation**  
This advanced cell architecture reduces heat-causing recombination and helps capture more light for higher efficiency.
- Split junction box**  
The three parts enable the innovative new cell layout for a higher energy yield, while reducing heat & increasing reliability.
- Multi busbar technology**  
Whether via bus bars or solder-free wires, REC ensures more cell contact and higher efficiency through improved current flow.

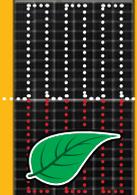
## Putting standard modules in the shade

One major advantage of REC's Twin Design compared to standard modules, is the ability to generate electricity even when partially shaded. This helps you to gain more energy yield over time from your installation.

If a standard module is shaded, its power and the energy produced will sink drastically and even stop generating electricity completely if shaded across the module width.



When one half of a standard module is shaded, none of the module produces electricity



With the same shading, the REC Twin Design module has more surface area still producing electricity.

The REC Twin Design splits a module into two twin sections which generate electricity independent to each other, but combine again before the current exits the module. This helps provide continuous electricity generation in the non-shaded section even at times of reduced irradiance on the module, increasing overall energy yield and installation profitability.

## Reduce installation time and other balance of system costs

By delivering more power density, you need fewer REC solar modules to achieve the target capacity. This means quicker installation times and fewer components such as clamps and racks – all reducing overall costs. Alternatively, the remaining space can be used to install more modules, optimizing the rooftop usage and increasing generation capacity.

## Lower your energy bills & shorten amortisation time through increased yield and lower costs

All REC products are certified to IEC 61215, IEC 61730, and UL 61730. They have also been certified for Salt Mist and Ammonia Corrosion Resistance, Potential Induced Degradation (PID) Resistance, Ignitability Resistance, and now come with a leading warranty which offers unprecedented savings, more economic security, and greater energy autonomy for consumers.

Offering even more, all of REC's products include the Twin Design and are eligible for REC's ProTrust warranty package, which offers an extra 5 years product warranty coverage, when installed by a certified REC Solar Professional installer. Speak to your installer about ensuring your modules qualify and that you benefit from all the advantages of REC Twin Design technology.