

REC TWINPEAK TECHNOLOGY

PREMIUM SOLAR MODULES GIVE YOU SUPERIOR PERFORMANCE AND POWER GENERATION

The REC TwinPeak range of solar modules features an innovative design for higher module efficiency and power output, giving you:

- More power for more electricity generation
- Higher yield through improved performance in shaded conditions
- Breakthrough technologies for increased light capture
- Proven reliability of an established European brand



**MORE POWER
OUTPUT PER M²**



**IMPROVED PERFORMANCE IN
SHADED CONDITIONS**



**100%
PID FREE**



**REDUCES BALANCE OF
SYSTEM COSTS**

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Setting new standards in polycrystalline modules

The range of REC TwinPeak solar modules use 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 polycrystalline platform.

With both 60-cell and 72-cell module sizes available, based on a design using 120 or 144 laser cut polysilicon cells respectively, the REC TwinPeak product family combines four different technologies which together, result in an extra power output of over 20 watts per module, a class-leading efficiency of up to 17.7% setting new standards for polycrystalline solar modules.

Get more power out of the available space

Packing in the technological advancements shown below means REC TwinPeak solar modules give you more power output per square meter than the standard competition. 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 polysilicon cells reduce internal resistance for higher power output, higher efficiency & increased reliability.
- Passivated Emitter Rear Cell**
New generation of cell technology captures more wavelengths of light through mirror-like architecture 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.
- Five bus bars**
A shorter distance for electrons to travel vastly improves the current flow, reducing resistance in the cell & increasing efficiency.

Putting standard modules in the shade

One major advantage of REC's TwinPeak technology compared to standard modules, is its 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, an REC TwinPeak module has more surface area still producing electricity.

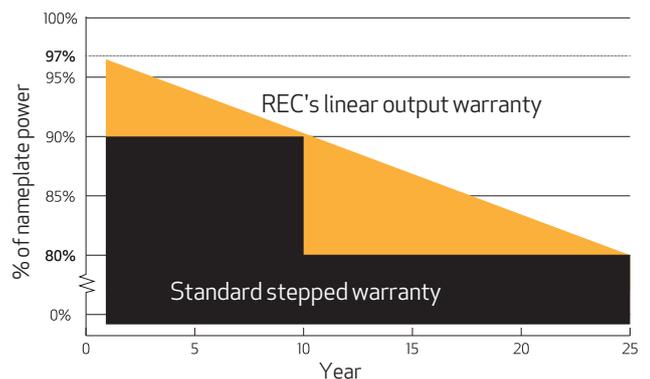
REC TwinPeak solar modules are split into two twin sections which generate electricity independent to each other, but combine again before the current exits the module. This helps provide continuous electricity generation in the non-shaded section even at times of reduced irradiance on the module, increasing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

Reduce installation time and other balance of system costs

By delivering more power output per square meter, fewer REC TwinPeak modules are required to achieve the same power generation capacity. This means quicker installation times and fewer components such as clamps and racks – all reducing overall costs.

Lower your energy bills & shorten amortisation time through increased yield

All REC TwinPeak products are certified to IEC 61215, IEC 61730 and UL 1703. It has also been certified for: Salt Mist and Ammonia Corrosion Resistance, Potential Induced Degradation Resistance, Ignitability Resistance, and comes with up to 10* years product warranty and 25 years power output warranty.



*12 years for members of the REC Solar Professional Program.

Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 employees worldwide, producing 1.4 GW solar panels annually.

