

REC N-PEAK TECHNOLOGY EXPLAINED

PREMIUM N-TYPE MONO SOLAR PANELS USING HALF-CUT CELL TECHNOLOGY FROM THE LARGEST EUROPEAN BRAND

REC N-Peak solar panels feature innovative TOPCon cell technology and a robust frame design for higher efficiency and higher power output:

- More power for more electricity generation
- Higher yields through improved performance in shaded conditions
- Proven reliability of an established European brand



MONO N-TYPE: THE MOST EFFICIENT C-SI TECHNOLOGY



NO LIGHT INDUCED DEGRADATION



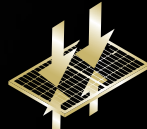
SUPER-STRONG FRAME UP TO 7000 PA SNOW LOAD



FLEXIBLE INSTALLATION OPTIONS



FEATURING REC'S PIONEERING TWIN DESIGN



BIFACIAL CELLS CAN PRODUCE ENERGY FROM BOTH SIDES

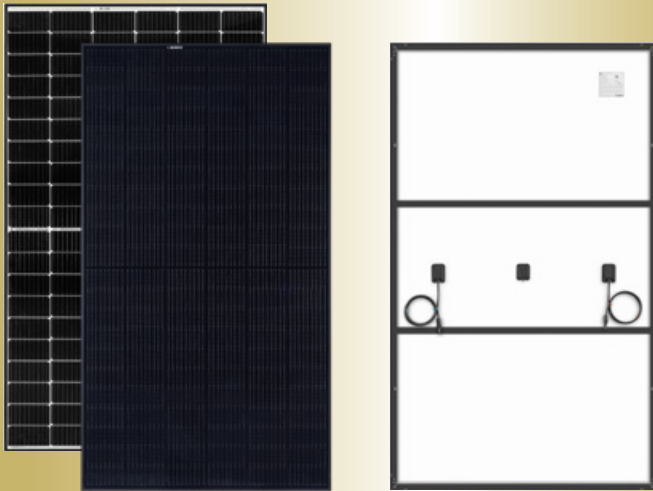
REC N-PEAK EXPLAINED



A powerful module with high efficiency n-type cells!

Providing customers with one of the most efficient cell technologies in the industry REC N-Peak panels capture more sunlight and provide more power.

Ideal for residential and smaller commercial and industrial rooftops, REC N-Peak panels pack as much power as possible in to a limited space for use where higher power levels need to be achieved with fewer modules. REC's unique Twin Design Technology, splits the panel into two identical and mirrored sections, enabling the continued production of energy, even when part of the module or array is shaded, further contributing to its high energy yields compared to standard panels.



Zero LID:

The loss of power generation capacity seen in a standard solar panel on first exposure to light is known as Light Induced Degradation (LID). This is a result of the reaction of boron and oxygen inside a cell and causes a permanent drop in a standard panel's maximum power.

Not with REC N-Peak panels, however! Through the use of n-type technology, the cells in REC N-Peak panels avoid a reaction between boron and oxygen at all levels. Therefore any occurrence of LID can be fully prevented.

This ensures the power of the panel remains the same as when it left the REC factory, meaning customers get exactly the power levels that they paid for.

Advantages of REC's n-type mono cells:

Based on high efficiency monocrystalline cell technology, REC N-Peak panels boost efficiency through n-type and TOPCon (Tunnel Oxide Passivated Contact) technologies:

- With n-type cell technology, the internal construction of a cell reduces Light Induced Degradation (LID) to zero, meaning no power loss right after installation
- TOPCon technology completely passivates the rear of the cell for increased electron capture and high and stabilized efficiency
- Inherently bifacial cells produce energy from both sides of the panel
- An excellent temperature performance keeps panels cooler for increased efficiency and higher yields
- All round higher yields at higher wavelengths, with strong performance from dawn through to dusk

Combining n-type and TOPCon technology in REC N-Peak panels has created a high efficiency and powerful solar panel, that helps you make the most of every installation, especially where space is limited.



Super-strong frame design:

By using two extra support bars across the rear of the panel, REC N-Peak panels reduce the bending and deformation of the panel under load while allowing loads of up to 7000 Pa, far exceeding the 5400 Pa offered by conventional panels. Such an increase in panel strength and durability enables customers to achieve much higher energy yields over the total lifetime of the installation.

The 1.2 in frame height allows the optimization of packaging and transportation to reduce the amount of transport and trucks on the road, keeping the carbon footprint low for both the product and the end-user. Together, this frame design enables flexible installation options, making overcoming every obstacle during system design even easier.

REC's leading warranty package:

All the advantages of REC N-Peak panels combined to guarantee customers high power output over its warranted lifetime:

- 20 year product warranty
- 25 year performance warranty (0.25% max. degradation per year)
- 92% of power rating warranted after 25 years
- Eligible for REC's premium ProTrust warranty package - up to 25 years product and labor warranty

