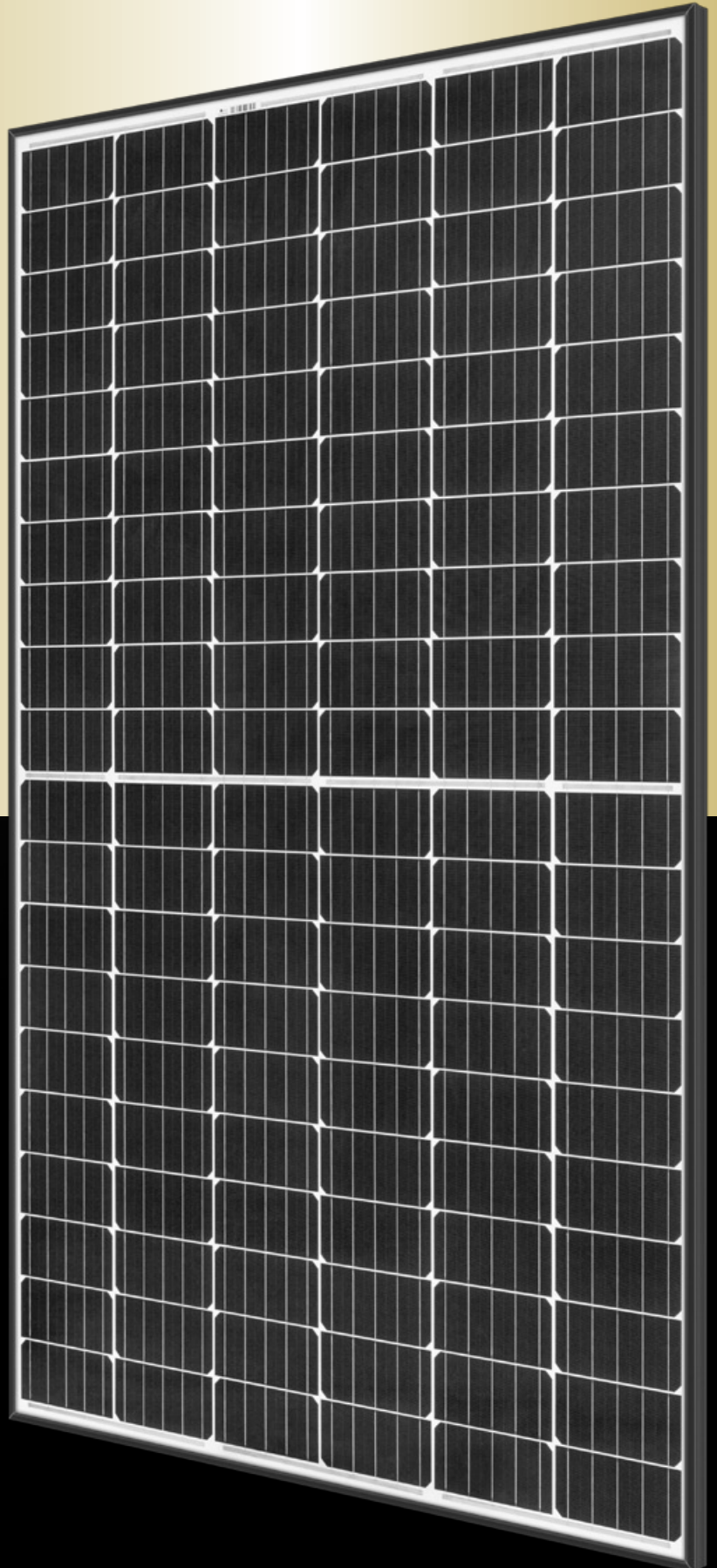


# REC N-PEAK: EXPLAINED

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

The REC N-Peak features innovative 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



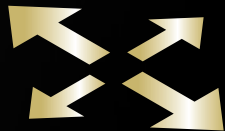
**MONO N-TYPE: THE  
MOST EFFICIENT C-SI  
TECHNOLOGY**



**NO LIGHT INDUCED  
DEGRADATION**



**SUPER-STRONG  
FRAME UP TO 7000 PA  
SNOW LOAD**



**FLEXIBLE  
INSTALLATION  
OPTIONS**



**IMPROVED  
PERFORMANCE IN  
SHADED CONDITIONS**



**GUARANTEED HIGH  
POWER OVER LIFETIME**

# REC N-PEAK: EXPLAINED



## REC's most powerful solar panel ever!

Providing customers with up to 330 Wp in a 60-cell panel, the new REC N-Peak panel uses the most efficient cell technology in the industry, capturing more sunlight thereby providing more power.

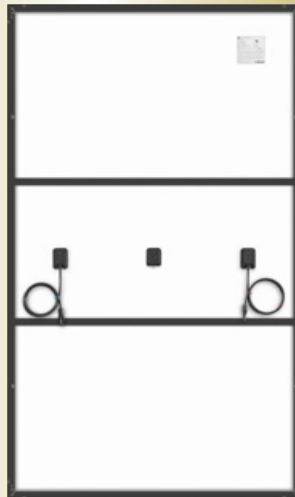
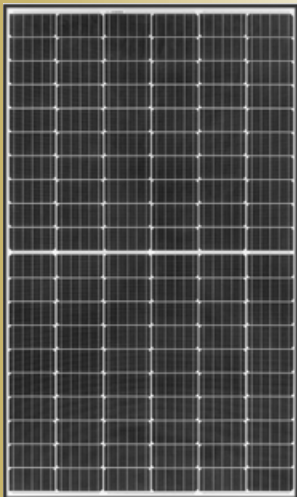
The REC N-Peak Series is ideal for residential and smaller commercial and industrial rooftops where as much power as possible needs to be packed in to a limited space and where higher power levels need to be achieved with fewer modules. The unique REC 'Twin' cell layout design, where the panel is split into two identical and mirrored sections, also enables 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.

## Advantages of REC's n-type mono cells:

Based on high efficiency monocrystalline cell technology, the REC N-Peak boosts panel efficiency through n-type and PERT 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
- PERT technology completely passivates the rear of the cell for increased electron capture and high and stabilized efficiency
- Class-leading 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 PERT technology in the REC N-Peak Series 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:

Introducing a new frame design with extra support bars across the rear of the panel, the REC N-Peak reduces 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 new 30 mm frame height allows the optimization of packaging and transportation to reduce the amount of transport and trucks on the road, keeping the product's and users' carbon footprint low. Together, this new frame design enables flexible installation options, making overcoming every obstacle easier during system design.



## Zero LID:

The loss of power generation capacity seen in a standard solar panel on its 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 the REC N-Peak Series, however! Through the use of n-type technology, REC's N-Peak cells avoid a reaction between boron and oxygen at all levels and 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 always get exactly the power levels that they paid for.

## REC's leading warranty:

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

- 20 year product warranty
- 25 year linear power output warranty
- Maximum degradation of 0.5% per year
- 86% of power rating warranted after 25 years

