

## High-Quality Modules with Low LID

Based on a high-quality N-type wafer design, LG NeON<sup>®</sup> R modules minimize Light Induced Degradation (LID), the power drop that can happen to some solar modules at the first exposure to light after installation.

# LG NeON<sup>®</sup> R



## Enhanced Warranties

LG is a trusted global brand that stands behind our solar power products. Thanks to our lasting presence in both the electronics and solar markets, our customers know we will be there to assist them now and in the years ahead. LG's NeON<sup>®</sup> R solar modules come with the strongest warranties available from LG—a 25-year warranty that covers product-related issues (including additional coverage for installers' labor costs) and a 25-year performance warranty that guarantees our modules will continue to produce at least 88.4% of their original output for a quarter of a century—LG's highest rate available, and a far higher rate than the 80% guaranteed for most solar modules.

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HIGH-POWER BACK CONTACT TECHNOLOGY™ AND ENHANCED WARRANTIES



## Why LG?

LG, a global icon of excellence in the electronics industry with half a century of success, has more than 30 years of experience in the solar industry. LG Solar products are designed for residential and commercial use and reflect our company's expertise in world-class manufacturing. When you purchase LG Solar panels, you invest in a product manufactured with the most stringent research, testing, and development standards. LG panels have consistently outperformed other brand designs in wattage output per panel at industry-recognized testing laboratories.

With the LG NeON<sup>®</sup> R, LG offers enhanced 25-year product and performance warranties.



"The panels are going to provide approximately 76% of my electric consumption...it's very neatly installed, there are no rough edges to it, so it really looks nice."

— Steve Rorem, Gardner, Massachusetts

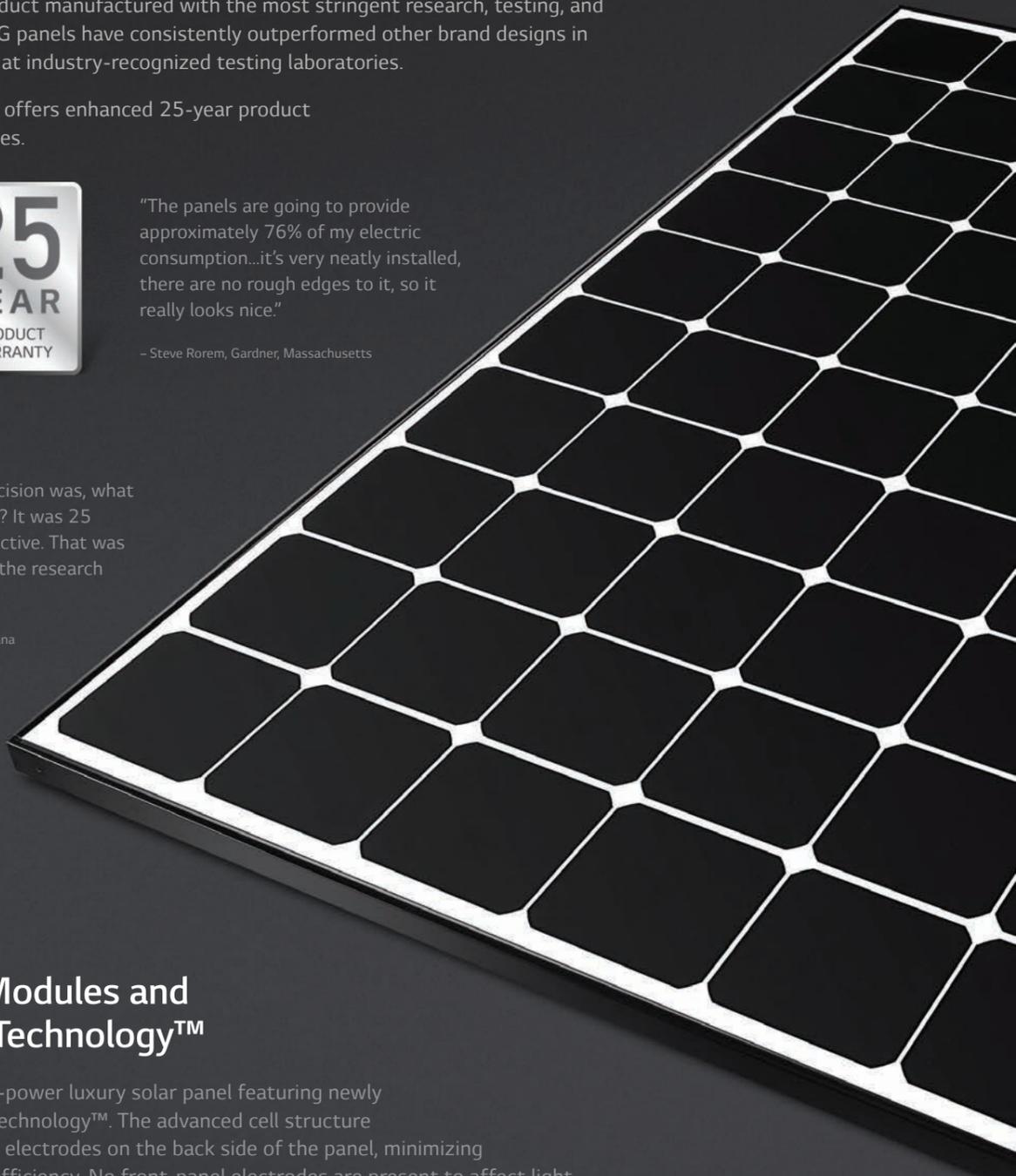
"A key driver behind the decision was, what does the warranty look like? It was 25 years, which was very attractive. That was one of the highest I saw in the research that I conducted."

— Karim Abdelkader, Bloomington, Indiana

## LG NeON<sup>®</sup> R Modules and Back Contact Technology™

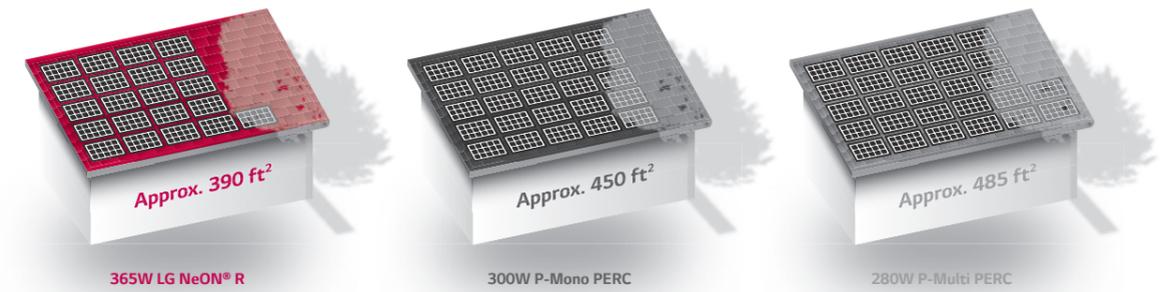
The LG NeON<sup>®</sup> R is a high-power luxury solar panel featuring newly developed Back Contact Technology™. The advanced cell structure locates all of the module's electrodes on the back side of the panel, minimizing power loss and boosting efficiency. No front-panel electrodes are present to affect light capture. Back Contact Technology™ also improves the module's temperature coefficient. When compared to other brands, LG Solar modules deliver the highest temperature performance ratings and output, even on the hottest days.

The electrical current in the LG NeON<sup>®</sup> R is separated into many channels instead of the conventional three. This increases power output, and the strategic wire layout significantly reduces vulnerability to environmental damage.



## Space-Saving Modules for Residential Projects

Higher module efficiency makes it possible for 60-cell LG NeON<sup>®</sup> R modules to produce the same amount of electricity with fewer solar modules, decreasing the number of panels needed and saving space for smaller installations.



## Enhanced Physical Durability

With a newly reinforced frame design, LG NeON<sup>®</sup> R modules can handle a full ton of snow load and withstand 208-mph winds. In comparison, Hurricane Katrina (2005) produced a maximum speed of 175-mph winds.

With its newly reinforced frame design, LG NeON<sup>®</sup> R modules are designed to endure a front load up to 6000 Pa, and a rear load up to 5400 Pa.  
\* Hurricane Katrina (Aug. 2005) Max speed: 170 mph (75 m/s)

