



LG NeON[®]R 66-Cell

HIGH-POWER BACK CONTACT TECHNOLOGY™

Power savings that last
for decades to come

Is it possible to get solar from a name I already trust?

For more than 60 years and through time-tested experience in the electronics and technology industry, the LG brand has become an icon of excellence in the Home Appliance and Home Entertainment markets. We will continue to uphold our standards of quality in our newer ventures, such as our Vehicle Component and Energy Business companies.

Because solar panels have a long lifespan, choosing a well-built product from a trusted brand is important. Thanks to over 30 years of diligent solar research and development, LG is able to provide panels with outstanding quality and performance. In addition, our global reputation as a stable, reliable brand provides our customers with peace of mind.

LG Solar

Power the Possibilities™

LG NeON® R



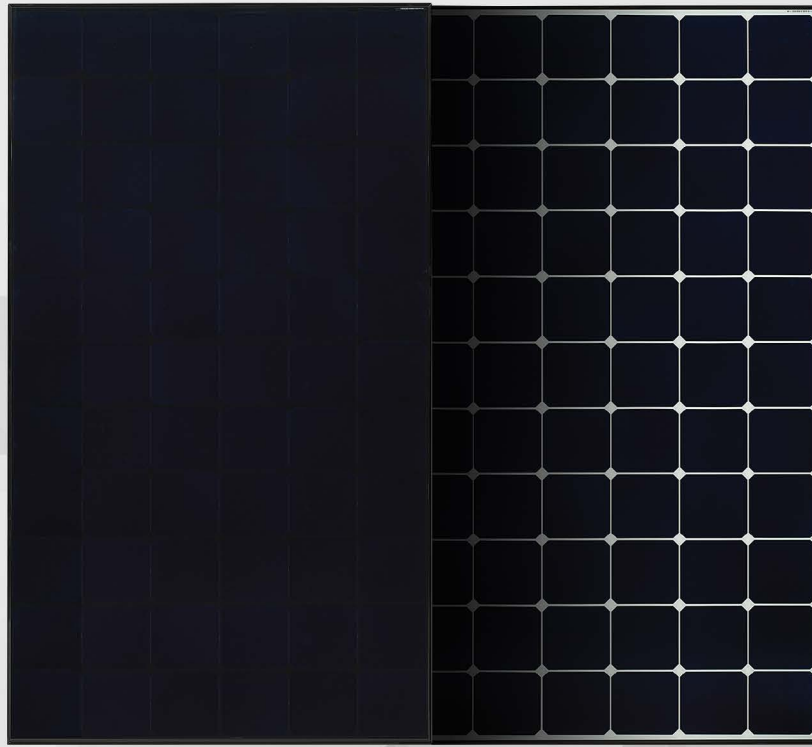
LG NeON® R Modules and Back Contact Technology

The LG NeON® R is a high-power luxury solar panel featuring Back Contact Technology. The advanced cell structure locates all of the module's electrodes on the back side. No front-module electrodes are present to affect light capture. This also provides a sleek, modern appearance.

The NeON® R series offers a 25-year limited warranty for performance, product and labor. At 25 years, the modules are guaranteed to produce at least 92.5% of their labeled power output.



LG NeON[®]R Prime



LG NeON[®]R

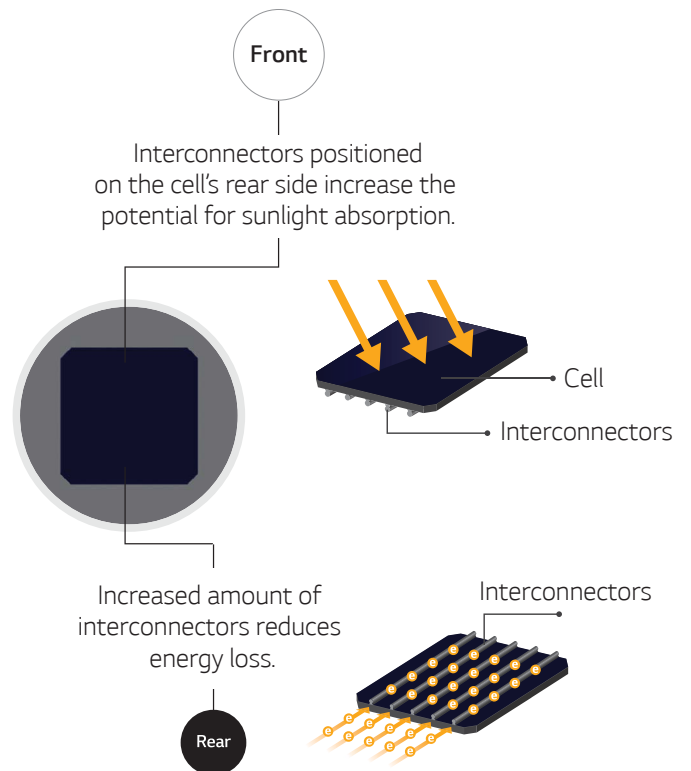
LG NeON[®]R Panels are Built to Last

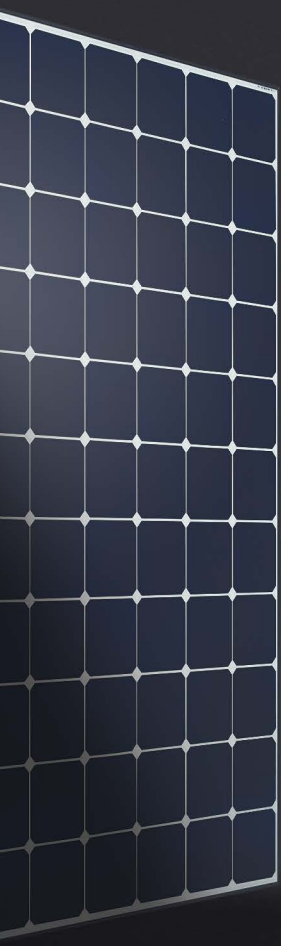
LG is focused on the quality of every solar panel that enters the market with our name on it. At our own manufacturing facilities, we can be sure every product is manufactured with the materials we choose under stringent quality control procedures. LG solar panels are tested in our own testing laboratory, which is certified by TÜV Rheinland and Underwriters Laboratories, and are regularly tested up to three times the IEC standards to ensure a robust module. Our goal is to provide the highest possible quality so we can live up to our reputation as a trusted global brand.



High-Efficiency Cell Structure

The electrical current in the LG NeON[®]R is separated into many channels instead of the conventional three. This provides more pathways for electrons and decreases vulnerability to environmental damage such as micro-cracks.





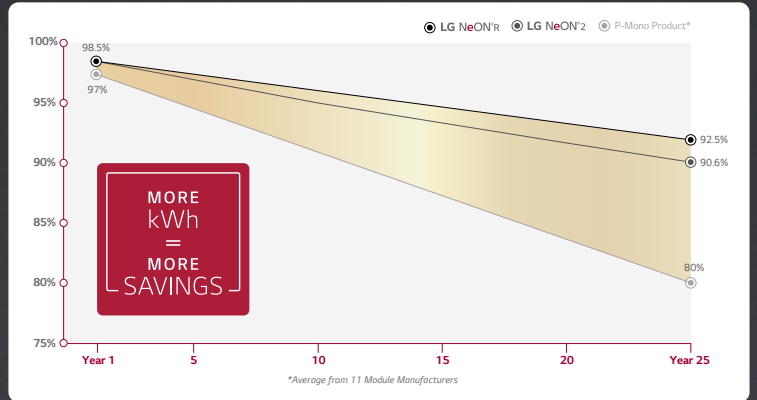
High-Powered Modules with Low LID

Many solar modules are built with p-type wafers doped with boron, which interacts with oxygen to cause light-induced degradation (LID). Because our NeON® R modules are manufactured with n-type wafers that are doped with phosphorus, they experience very low LID rates.

The NeON® R product line now features 66-cell modules with power up to 440 W and efficiencies to 22.1%.

Lower Degradation than Conventional Panels

Solar panels degrade over their lifetime and can produce less electricity each year. NeON® R panels have a very low annual degradation due to the use of n-type treatment of the cells, which is based on phosphorus (versus boron). Over the warranted lifetime of a system, LG panels will typically experience 10% less degradation than more economical panels. This adds up to significant dollars of additional electricity production over the years with LG NeON® R panels.



Peace-of-Mind Warranty

LG is a trusted global brand that stands behind its solar power products. Thanks to our lasting presence in the electronics and solar markets, our customers know we will be there to assist them both now and in the years ahead.

LG's NeON® R solar modules are backed by a 25-year limited warranty that covers product-related issues and a 25-year performance warranty that guarantees our NeON® R modules will continue to produce at least 92.5% of their original output for a quarter of a century—a far higher rate than the 80% guaranteed for many solar modules.

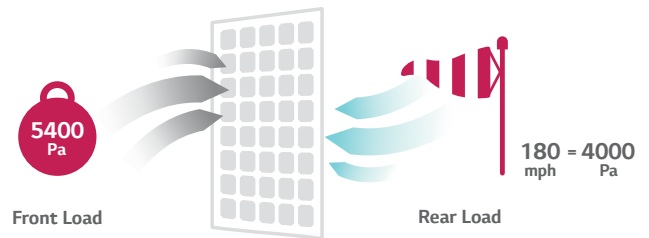
LG NeON® R

Many solar companies don't cover the cost of any labor required to repair or replace a module, even if the module is under warranty. LG Solar will pay up to \$450 of any labor costs in the rare case of a needed module repair or replacement.



Long-Term Durability

With a reinforced frame design, LG NeON® R modules can handle 112 psf of snow load and 180 mph winds. In comparison, Hurricane Katrina (2005) produced 175-mph winds.



With its reinforced frame design, LG NeON® R modules are designed to endure a front load of up to 5400 Pa and a rear load up to 4000 Pa.

When you go solar, ask for the brand you can trust: LG

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