

High-Quality 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 phosphorous, they experience very low LID rates.

LG NeON[®] R



Solid Warranties

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 90.8% of their original output for a quarter of a century – an energy savings and a far higher rate than the 80% guaranteed for many solar modules. 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.

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* The contents can be changed without notice.



HIGH-POWER BACK CONTACT TECHNOLOGY[™] AND A 25-YEAR WARRANTY



Why LG?

LG solar products are designed for residential and commercial use and reflect LG’s expertise in world-class manufacturing. When you purchase LG solar panels, you invest in a product manufactured with stringent research and development standards. Our high-power, high-efficiency solar panels are backed by a trusted global brand and 25-year limited 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

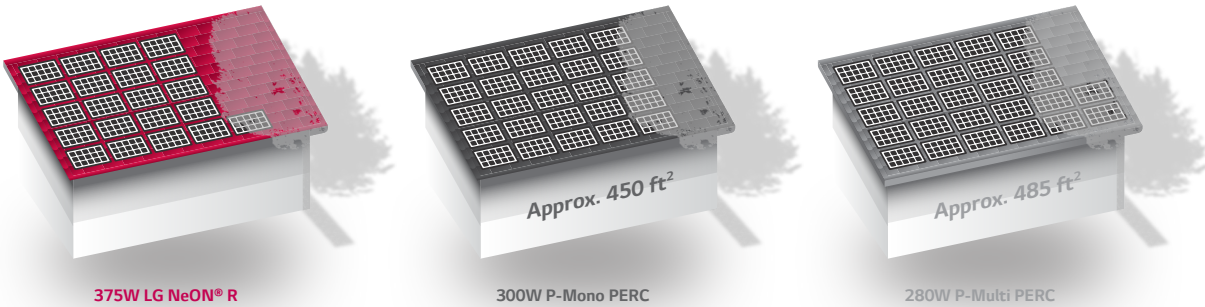
LG NeON® R Modules and Back Contact Technology™

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 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.

Space-Saving Modules for Residential Projects

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



Physical 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 a maximum speed of 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.

