



## LG NeON<sup>®2</sup>

High power output and lasting quality,  
backed by a trusted global brand.

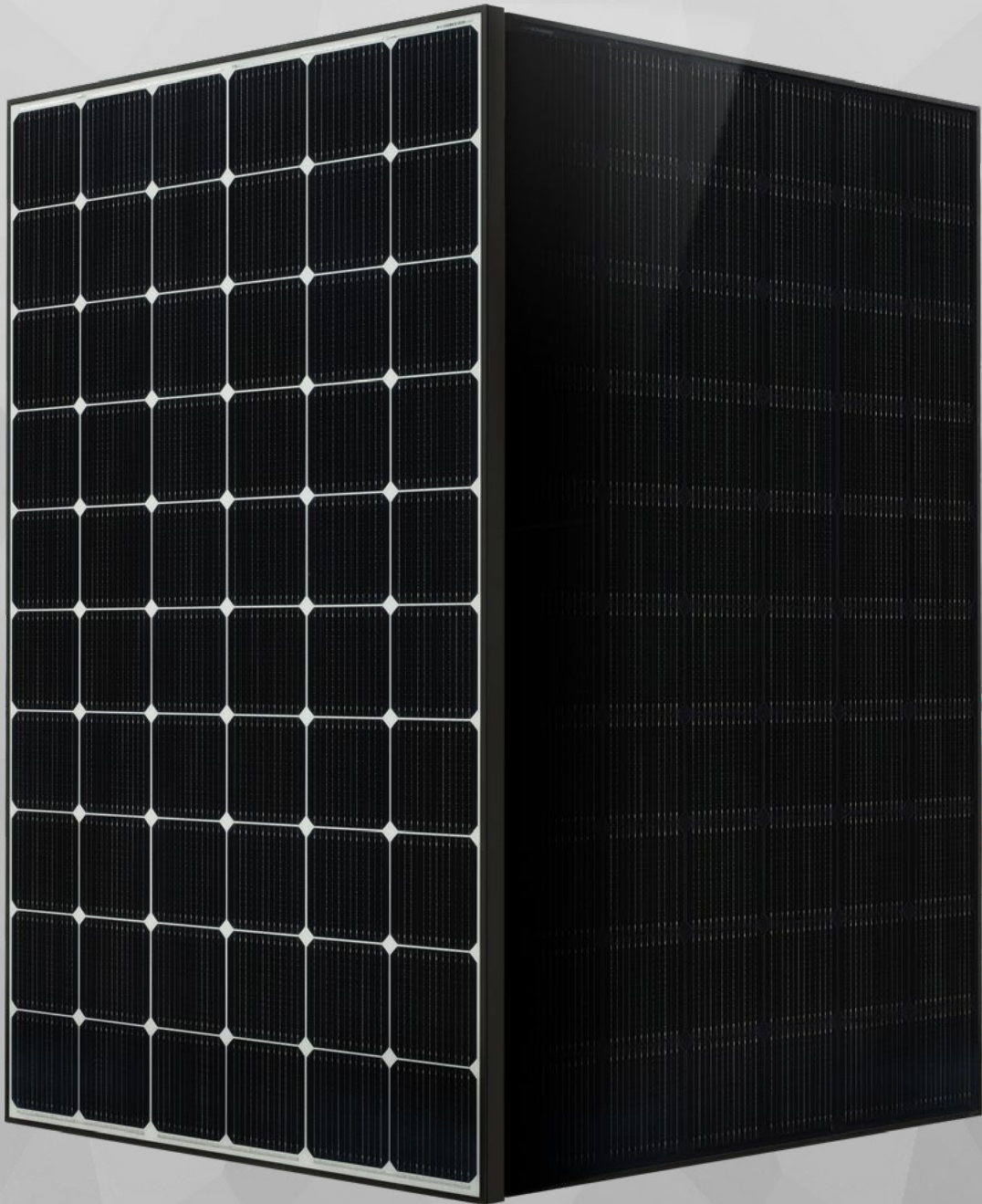
Flip the Switch

Unplug from average.  
Plug into high performance.

[www.lg.com/us/solar](http://www.lg.com/us/solar)

LG NeON<sup>®</sup>2

Don't just plug into any power,  
**plug into LG power.**



## Plug into a brand you can 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.

## Introducing:

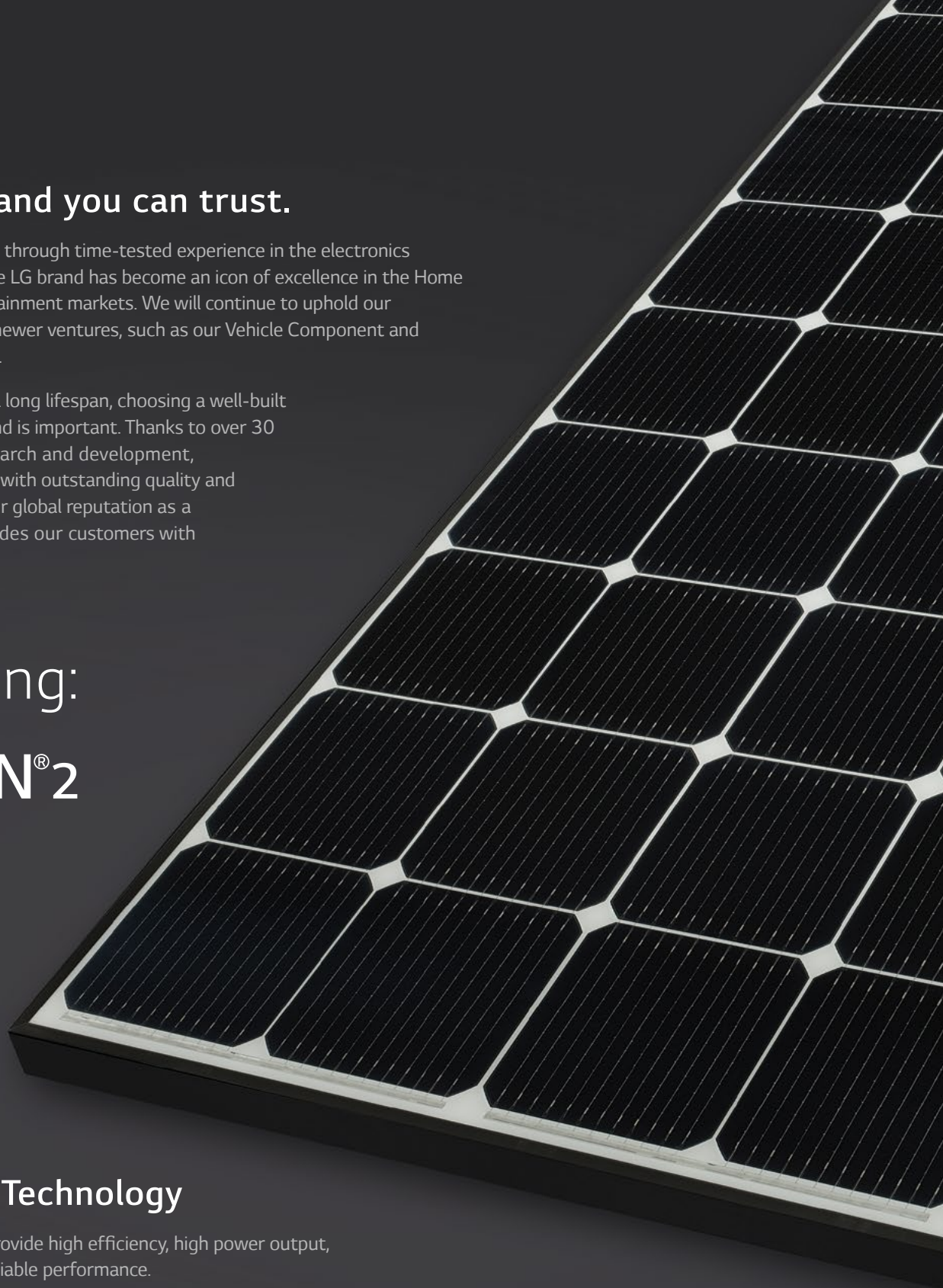
# LG NeON<sup>®</sup>2



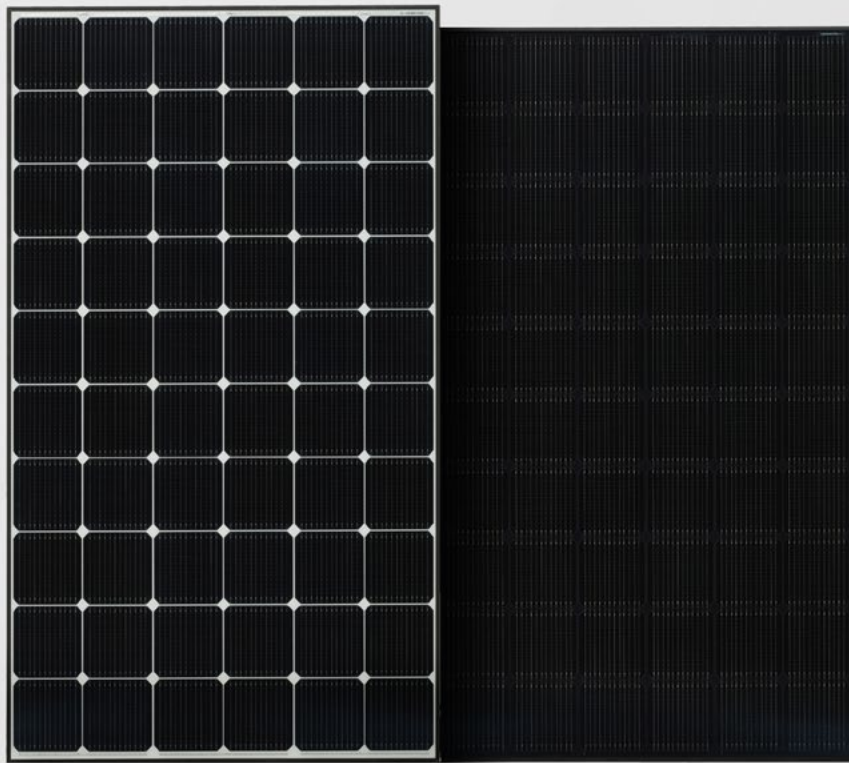
## Leading Solar Technology

LG NeON<sup>®</sup> 2 solar panels provide high efficiency, high power output, appealing aesthetics and reliable performance.

The panels incorporate Cello Technology™ (Cell connection with Electrically Low loss, Low stress and Optical absorption enhancement), developed by LG to increase power output and improve panel appearance.



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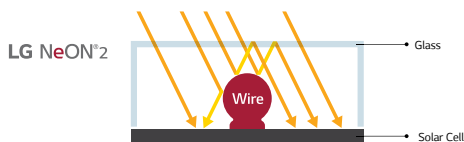
LG NeON<sup>®</sup> 2 Black

## LG NeON<sup>®</sup> 2 panels are built to last.

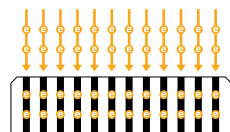
LG is focused on the quality of every solar panel that enters the market with our name on it. At our own manufacturing facilities, we can be sure every product is manufactured with the materials we choose under stringent quality control procedures. LG solar panels are tested in our own testing laboratory,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



### Light Scattered More Effectively



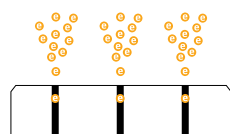
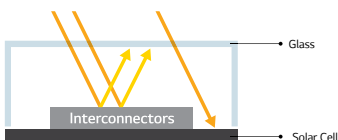
### More Pathways for Electrons



## LG's Cello Technology<sup>™</sup> maximizes current flow.

Cello Technology<sup>™</sup> utilizes 12 thin wires in each solar cell instead of the standard three to five busbars, which helps the cells absorb light more efficiently by scattering the light more effectively within the cells. This 12-wire technology also reduces vulnerability to power generation loss due to micro-cracks. Each NeON<sup>®</sup> 2 panel with Cello Technology<sup>™</sup> features double-sided cells that enable NeON<sup>®</sup> 2 panels to produce energy from both the front and back.

### Conventional 3 Ribbons



## Plug into high efficiency.

High-efficiency LG NeON® 2 panels generate more power from the same amount of sunlight than lower-efficiency panels of the same size.

High-efficiency panels are an advantage on smaller roofs or on roofs that experience some shading. They can also leave room for array expansion in the future.

The NeON® 2 product line features 60-cell panels with power up to 375 W and efficiencies to 20.8%.



## Plug into outstanding aesthetics.

The LG NeON®2 Black product features all components in black, including matte frames and backsheet, with a natural and refined modern feel that fits on any roof. From a distance, all parts look black, greatly enhancing the aesthetic value of a house.

## Plug into a longer lifetime.

Solar panels degrade over their lifetime and can produce less electricity each year. NeON® 2 panels have 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® 2 panels.





## Plug into peace of mind.

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.

The next generation of LG NeON<sup>®</sup> 2 solar panels is backed by a 25-year limited warranty that covers product-related issues and a 25-year performance warranty that guarantees our panels will continue to produce at least 90.6% of their original output for a quarter of a century—a significant energy savings and a far higher rate than the 80% guaranteed for many solar panels.

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



## Manufactured in the USA.

In addition to the NeON® 2 factory in Gumi, Korea, 500 megawatts of LG NeON® 2 panels are now being manufactured in the United States. LG recently established a new factory with two production lines at an existing building on the company's 48-acre campus in Huntsville, Alabama, where we have had operations for four decades.



Plug into new possibilities.

**Flip the switch  
to LG Solar today.**

[lg.com/us/solar](https://lg.com/us/solar)

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