
LG Solar
25 reasons to flip the switch to solar with LG.
Flip the Switch
LG
Life's Good

Unplug from average.
Plug into above and beyond.

Your goal when you go solar is two-fold: you want to generate your own electricity to save money on utility bills and be less reliant on the grid, and you want to do something positive for the environment. Once you've determined those goals (and any others you may have, such as the option to store energy in case of a power outage), the next step is choosing the right solar panels to be installed by a trusted installer.

You have options when it comes to solar panels, and it's important to choose the right brand. You want panels that can generate the power you need in the space you have available. You want those panels to be manufactured under strict standards with high-quality materials. They should be long-lasting, durable and reliable. You want to trust that you're getting the power that's promised. And, in order to get the most out of your investment, you want cutting-edge technologies that generate high power during every hour of sunlight every day.

Your investment should be backed by a company that offers long-term warranties—covering even labor costs associated with any panel replacement. Finally, you want to be sure the company manufacturing your panels will be around for decades to fulfill those warranties.

LG Solar does it all. In fact, we've outlined 25 reasons to choose LG Solar, the brand that provides everything you need to go solar, save money and feel confident in the operation and maintenance of your solar system.

25 reasons to flip the switch to solar with LG.

1 LG is a bankable brand, and bankability is critical in the solar industry.

LG is proud of our six decades of experience in innovation and manufacturing in diverse global markets. Consumers worldwide know they can trust LG. Our solar panels are the result of 30 years of research, development, testing and manufacturing. We are constantly innovating to come up with the best solar technologies to meet our customers' needs.

When you go solar with LG, you have peace of mind. As a multibillion-dollar company with a reliable track record, we will be here for every year of the 25-year warranties that back our solar panels—and for years beyond that.

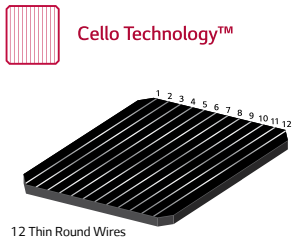
2 LG is a Tier 1 solar manufacturer.

Bloomberg New Energy Finance recognized LG as a Tier 1 solar manufacturer. Bloomberg's Tier 1 rating is widely regarded within the industry as a measure of a manufacturer's bankability. So, you don't have to take our word for it—financial experts rank LG Solar as among the strongest companies in the solar industry today.

3 LG Solar's technology wins awards.

LG is a company driven by the desire to innovate and develop cutting-edge technologies. Our technological advances in the solar industry have been honored with a number of awards, including the Green Builder Hot 50 Products Awards for our NeON® R Ace solar panel. The National Association of Home Builders recognized our NeON® R 66-cell solar panel with Back Contact Technology™ as a finalist in the inaugural Best of IBSx Awards Outdoor Product category. And we were a 2020 Enterprise Company of the Year Finalist in The Cleanie Awards®, recognizing companies for creating breakthrough innovation and growth in clean technologies.

4 We've got the NeON® 2.



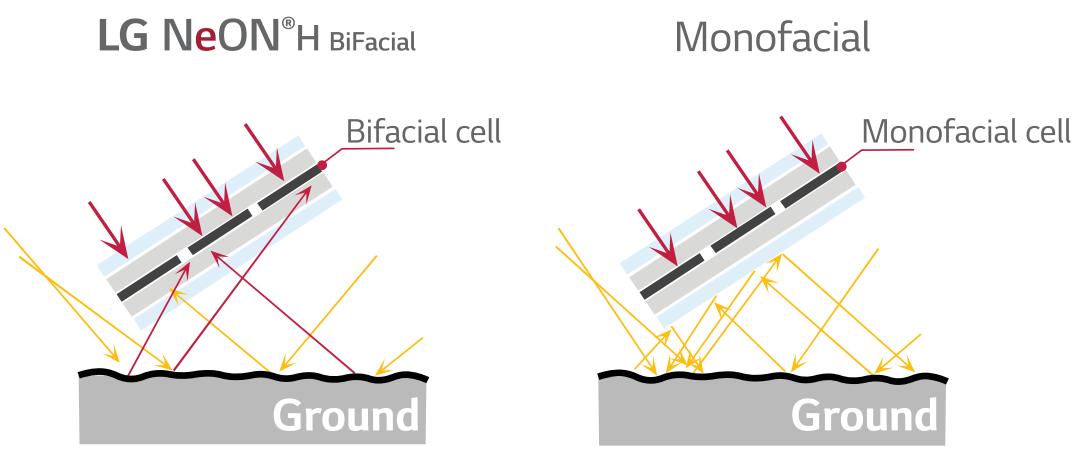
Our best-selling NeON® 2 panels are among the most popular residential solar panels in the United States today. They feature award-winning Cello Technology™, which uses 12 thin wires in each cell instead of the usual large three to five busbars. The circular wires scatter light more efficiently than conventional flat wiring. The technology also makes the panels less vulnerable to power losses due to microcracks. You can actually see the difference with Cello Technology™ because it provides a uniform, more pleasing appearance.

5 We've also got the NeON® R.

Looking for a premium panel that generates even more energy than our powerful NeON® 2? The NeON® R features our Back Contact Technology™, which locates all of the electrodes on the back side of the panel. This eliminates shading on the front side of the cells.

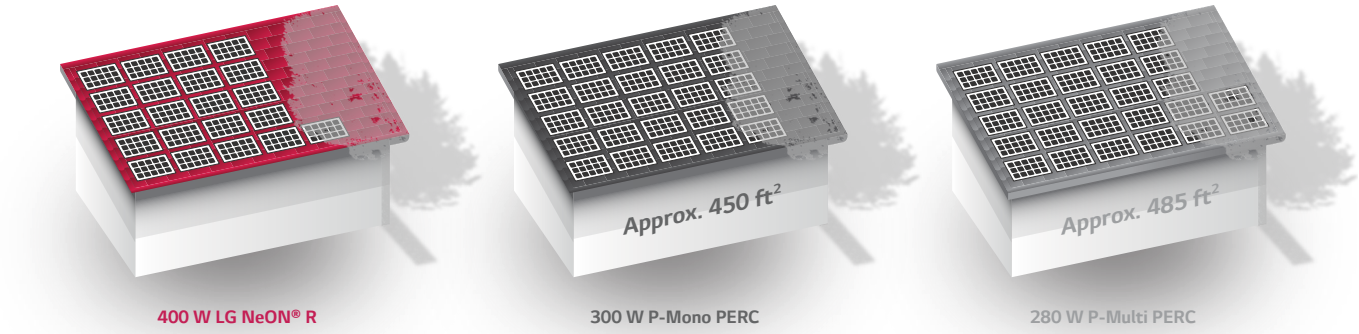
6 We've got BiFacial panels, too.

If your project calls for tilted panels on the ground, a patio awning or roof, and you plan to use pole mounts or ballasted systems, our BiFacial panels provide the technology you need to increase sunlight absorption. The double-sided cell structure and transparent backsheet enable light absorption from both the front and back of the cells. This way, reflected light can also be captured to generate energy.



7 All LG Solar panels are designed for high efficiency.

LG Solar provides high-efficiency panels that generate more power from the same amount of sunlight than lower-efficiency panels of the same size. That extra efficiency enables the panels to produce the same amount of energy with 60 cells as many panels produce with 72 cells. 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.

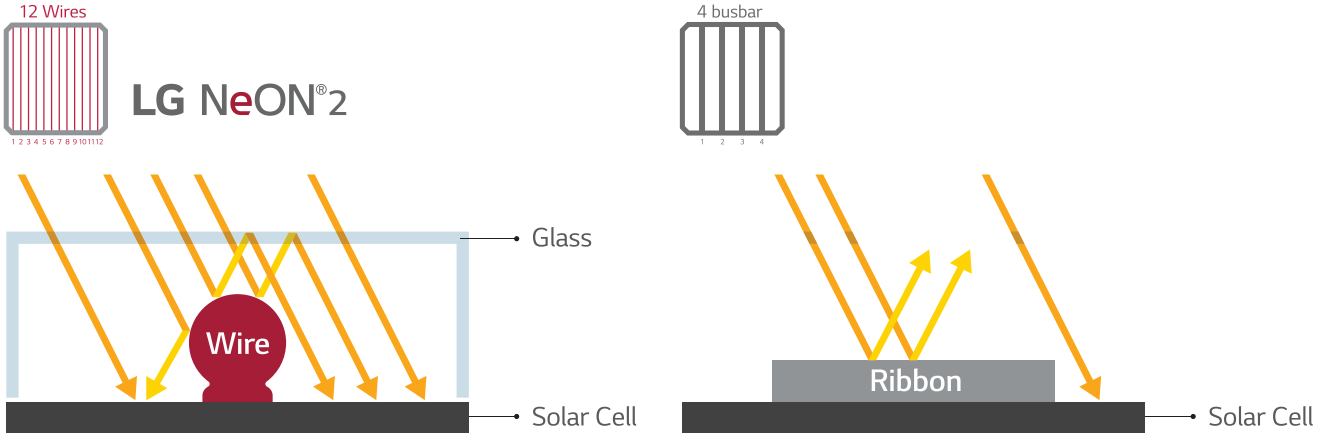


8 Our panels have a low LID (light-induced degradation) rating.

Most solar panels experience some degradation when they are first exposed to sunlight. In p-type panels, this occurs when oxygen interacts with the boron in the cells. This process is referred to as LID (light-induced degradation) and can significantly decrease the power output of the panels over their lifetime. LG Solar panels are produced with n-type wafers that are based on phosphorus, so they experience extremely low LID. In fact, our BiFacial panels experience near zero LID.

9 LG has developed panels that produce power during the late afternoon hours, when you are most likely to be home using appliances.

If your utility charges Time-of-Use rates, electricity from the grid might cost more in the late afternoons, so our panels will save you even more money.



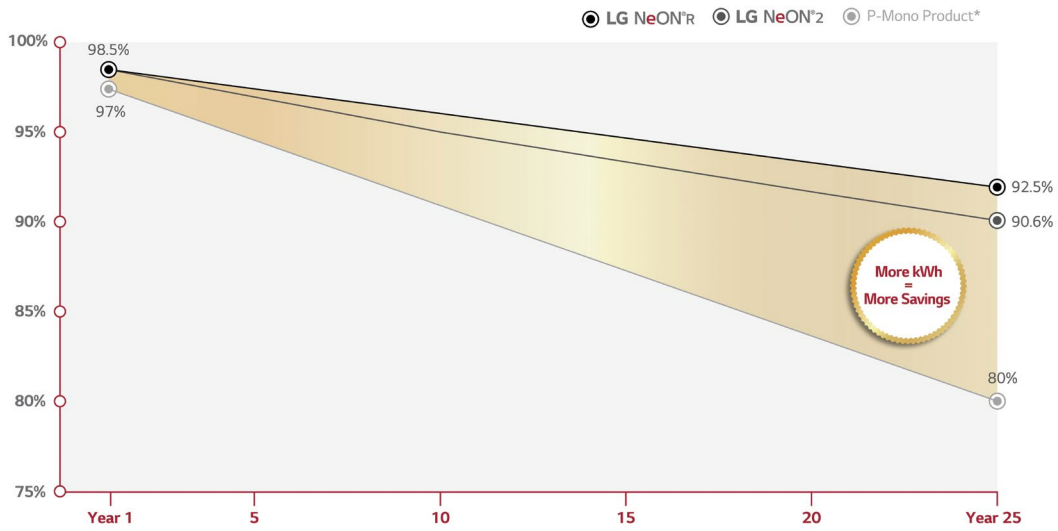
10 Hot days are no problem for LG Solar.

Solar panels usually generate less power as they get hotter. On a hot summer day, panels can reach temperatures as high as 158 °F* and experience a significant performance loss. LG NeON® 2 and NeON® R panels have very low temperature coefficients, meaning they perform better in high-temperature conditions than panels with higher temperature coefficients.

**https://amsolar.com/diy-rv-solar-instructions/edpanelratings*

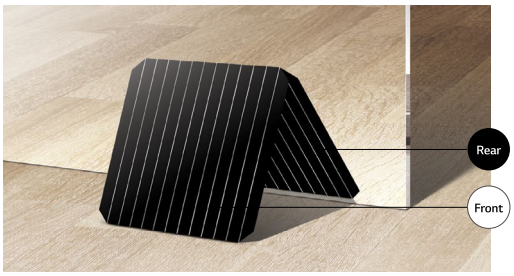
11 We guarantee extremely low long-term degradation rates.

All solar panels generate less power over time due to expected degradation rates. However, LG Solar panels are designed to achieve extremely low degradation rates. Any small percentage of power adds up to savings over time, so our low degradation rates mean greater financial savings over the lifetime of your system.



12 The NeON® 2's double-sided cell structure.

LG Solar's NeON® 2 panels have a double-sided cell structure that enables our panels to capture light and generate energy from both the front and back. In the mornings and evenings, when the angle of light is lower, the NeON® 2 will capture more energy than most other brands' panels that capture light only from the front.



LG NeON®2

13 LG Solar's NeON® R panels offer improved power output and performance.

LG Solar's NeON® R panels feature higher power output, an improved temperature coefficient and a lower annual degradation rate than our previous panels. LG Solar continuously strives to improve our solar technologies to provide better performance for our customers.

14 Achieve greater long-term savings thanks to the combination of all these factors.

High efficiency. High power output. Low temperature coefficients. Low LID. Great performance in the early mornings and late afternoons. Low long-term degradation rates. Resistance to microcracks and finger electrode erosion. All of these factors work together to provide greater long-term savings than panels that offer just one, or even a few, of these advantages.

15 Our panels are lightweight, yet durable.

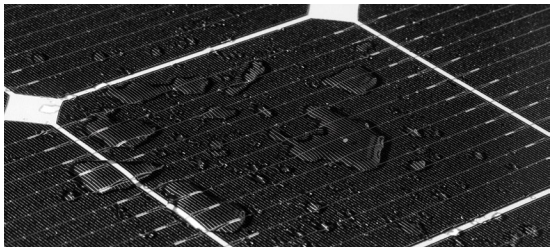
LG 60-cell solar panels weigh less than 40 pounds, yet they are highly stable. Lower weight means less stress on your roof without losing any of the performance capability of our high-power-output panels.

16 We stand by the quality of our components.

Every component of our solar panels is of a high quality. For example, we use quality junction boxes that are highly water resistant and premium Swiss MC4 panel connector plugs.

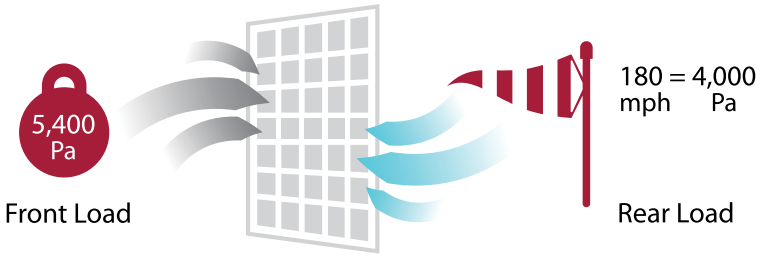
17 Your system will stand up to tough weather.

LG Solar panels are highly durable. They're built to withstand rain, snow, hail, humidity and other challenging weather conditions. We test every panel against these conditions in our in-house testing laboratory.



18 Your system is designed to stand up to a hurricane.

LG Solar panels are characterized by their maximum load capacity. They feature a durable double-walled frame that can withstand a front load of 5,400 pascals (Pa) and rear load of 4,000 Pa. This arms them to withstand even hurricane-force winds.



19

Your system will resist a fire threat, too.

All LG panels pass fire safety tests. Each panel contains flame-retardant material. Our standards are in accordance with the NEC (National Electric Code) and IBC (International Building Code). We want you and your home to be safe.

20

Is every panel tested? Yes.

Before any LG Solar panel leaves our factory, it undergoes a broad range of tests that guarantee high-level performance. All tests are carried out in our own in-house testing laboratory. Our lab satisfies all requirements for the latest test procedures. We're not fooling around; every LG Solar panel meets very stringent industry requirements.

21

NeON® 2 solar panels are assembled in the United States.

LG is committed to investing in the economy and workforce of the United States. We recently opened a solar panel assembly plant in Huntsville, Alabama. The plant created 160 new jobs in that community. We are proud that 500 megawatts of LG NeON® 2 panels are now being manufactured annually in the United States. Additional inventory will be supplied from our South Korea factory when needed.

22

LG Solar warranties are among the strongest in the industry.

LG solar panels are backed by a limited 25-year warranty. Not only do we offer product and performance coverage, but we also cover up to $450 in labor costs in the rare case that a panel needs repair or replacement.

23

We work with trusted solar installation companies in your community.

LG Solar has developed a network of reputable installation companies known as LG PROs. These local installers are trained to install our products, and they are knowledgeable about the sunlight and permit conditions in their local communities. In addition, they help our customers obtain the best local, state and federal rebates or incentives to help offset the cost of going solar.

LG PRO

24

LG shares your commitment to environmental protection and sustainable communities.

When you purchase LG Solar panels, you can feel good about buying from a company that shares your environmental commitment and concerns. LG globally has committed to three overarching goals: intelligent lifestyle, realizing a zero-carbon and circular economy, and creating a better society. One of the steps we've taken is to follow sustainable practices in our solar manufacturing facilities. No ozone-depleting substances are used in the manufacturing of our panels. There are no ozone-depleting materials in our manufacturing supply chain, either.

25

We talk the talk, and we walk the walk.

LG installed 3.2 MW of solar power (more than 11,000 LG Solar panels) on the roof of our solar factory in Gumi, South Korea. We have installed more than 18 MW of solar panels across our manufacturing facilities in Korea, including electrical appliance and battery factories.

We don't just want you to go solar with LG; we are doing it, too.

Unplug from yesterday. Plug into tomorrow.

With LG, flipping the switch to solar is simple.

1. Start your journey at **lg.com/us/solar/getstarted**.
2. Meet your personal LG concierge.
3. Get custom quotes and compare options.
4. Enjoy the 25+ benefits of solar energy.

For more information or to get started visit **lg.com/us/solar**

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