

LG Electronics

25 Years and Beyond

True reliability for your solar home



How to select
a long-lasting solar system

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Lower electricity bills



Solar energy's biggest advantage is the almost instant reductions in energy bills. Sunlight will always be free, while electricity prices will continue to rise. So by going solar, you can start saving today.

Enjoy energy independence



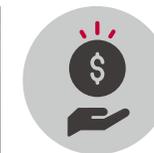
Installing roof mounted solar panels can help you achieve energy independence. Surplus production can be sold back to the utility.

Boost your property value



Houses with solar panels sell more quickly at higher prices. So by installing solar panels, you are making a long-term investment in your most valuable asset - your home.

Make a shining investment



Investing in solar is a much better option than keeping your money in the bank. With typical bank interest rates below 2%, it's easy to see why solar outshines the bank when it comes to return on investment.

The two most significant factors to consider when choosing solar panels are product and performance warranties.

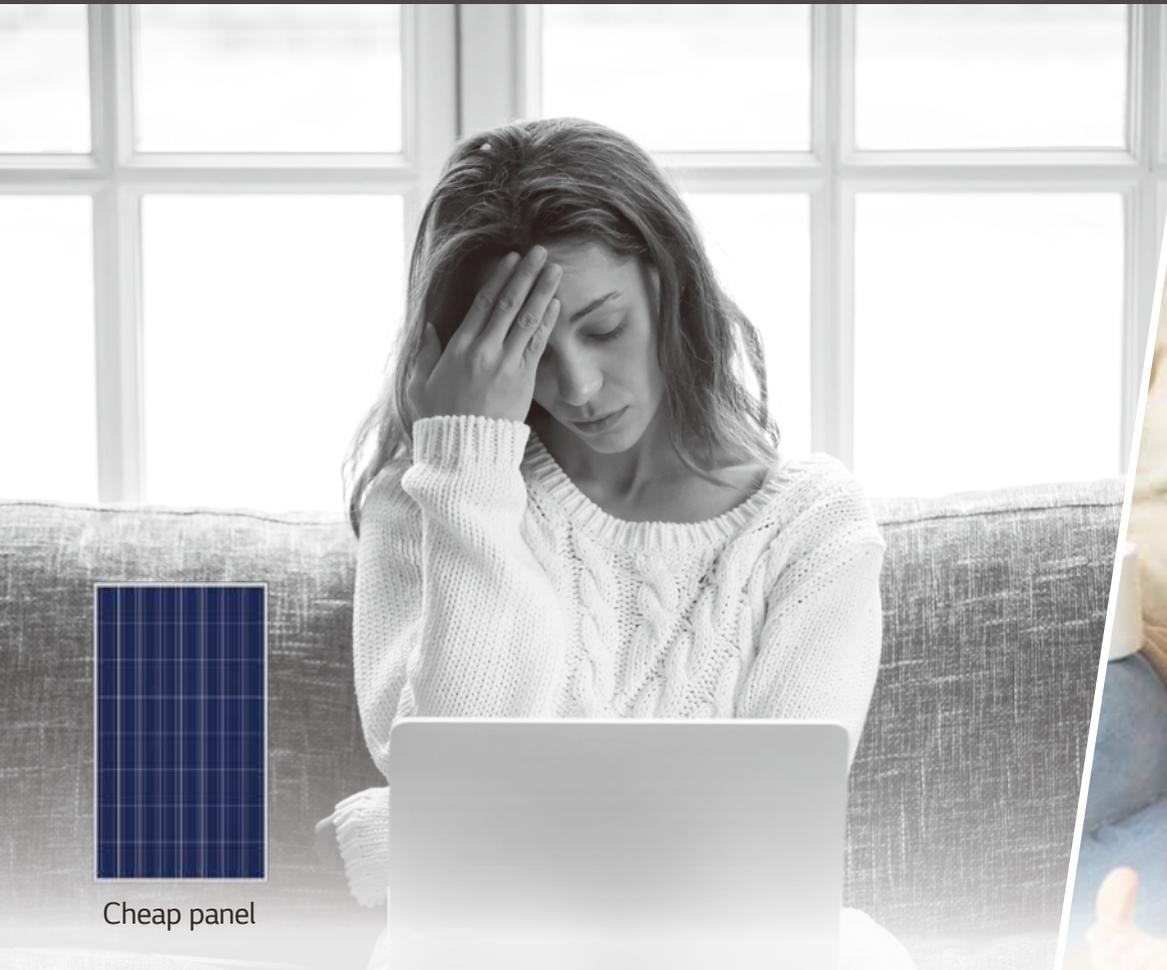


Product Warranty

The solar panel product warranty covers the actual panels. This protects you against possible problems including manufacturing defects, durability issues, and/or equipment failure. If a solar panel should fail, the manufacturer will promptly provide you with a replacement unit. This kind of product warranty will typically guarantee 10 to 12 years without failure.

Performance Warranty

The production capacity of solar panels declines slightly every year. The performance warranty protects against declines larger than a specified value. If your solar panels deteriorate faster than specified, the manufacturer can repair the affected solar panel or offer a replacement panel.



Cheap panel



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Beware of inexpensive panels from unreliable companies

The range of solar panels available on the market is greater than ever before. You also face a greater risk from selecting a low-quality system. In fact, over 100 solar companies have gone out of business in recent years. A warranty is worthless if the company offering it goes out of business within the warranty period.

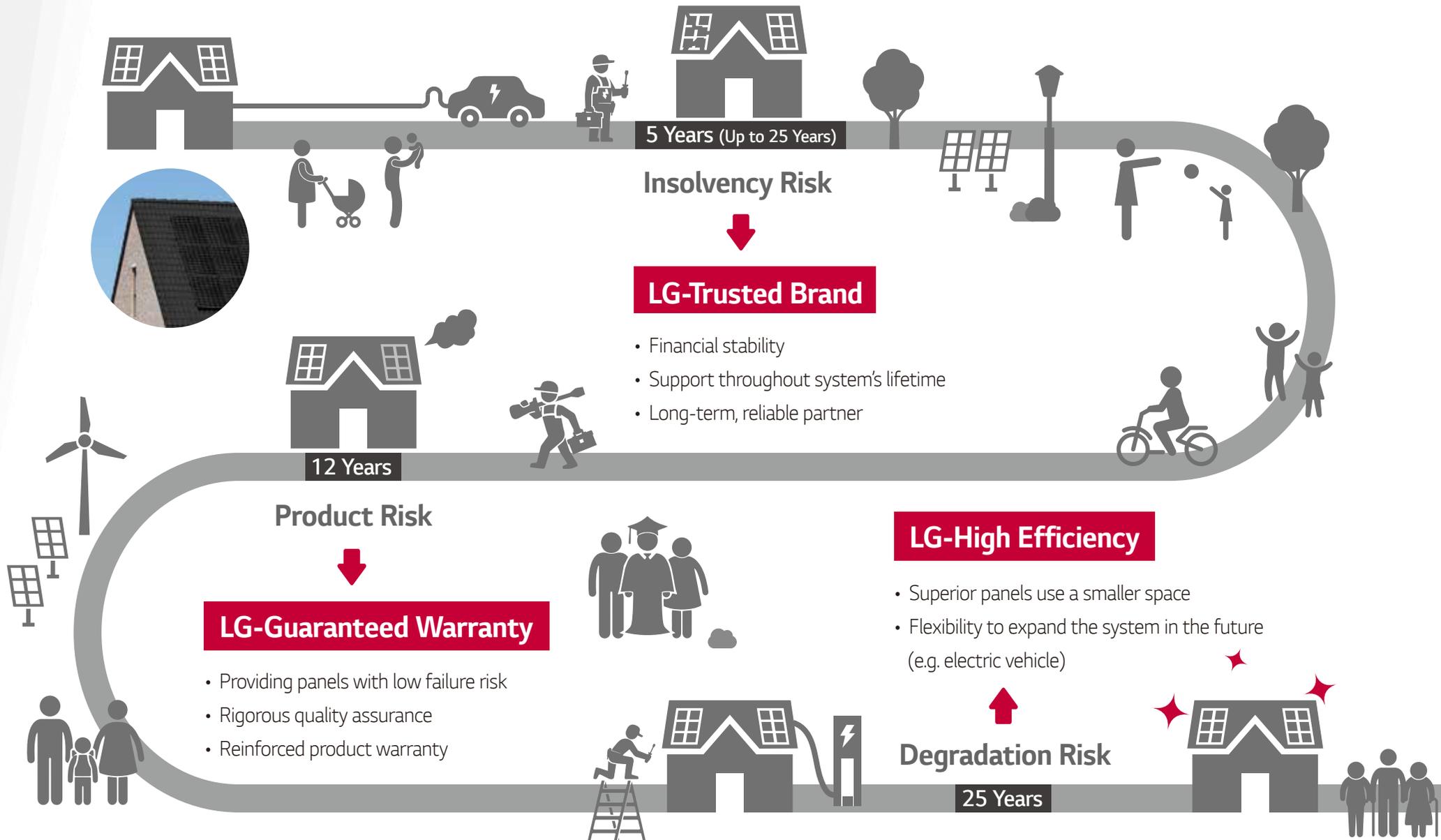
Select a reputable brand

Solar panels often last for more than 25 years. Make sure you select a high-quality product from a reliable brand that will still exist in 25 years.

LG, the True 25-year Solar Home Solution



Your selection today is a 25-year commitment. Be confident with LG as your choice.





Global Operations

140+



Companies

16

Founded

1947



Revenue'18

54.4 billion USD



Workforce

72,600+

A trustworthy and sustainable business partner you can rely on

LG Electronics is a reliable and trusted manufacturer with more than 60 years of expertise in the electronics industry. We began conducting solar research in 1985 and remain committed to producing only the best quality products for our customers. Backed by the corporation's global presence and financial stability with annual sales of over \$50 billion, LG will continue to provide outstanding services and support over the lifetime of your solar solution.

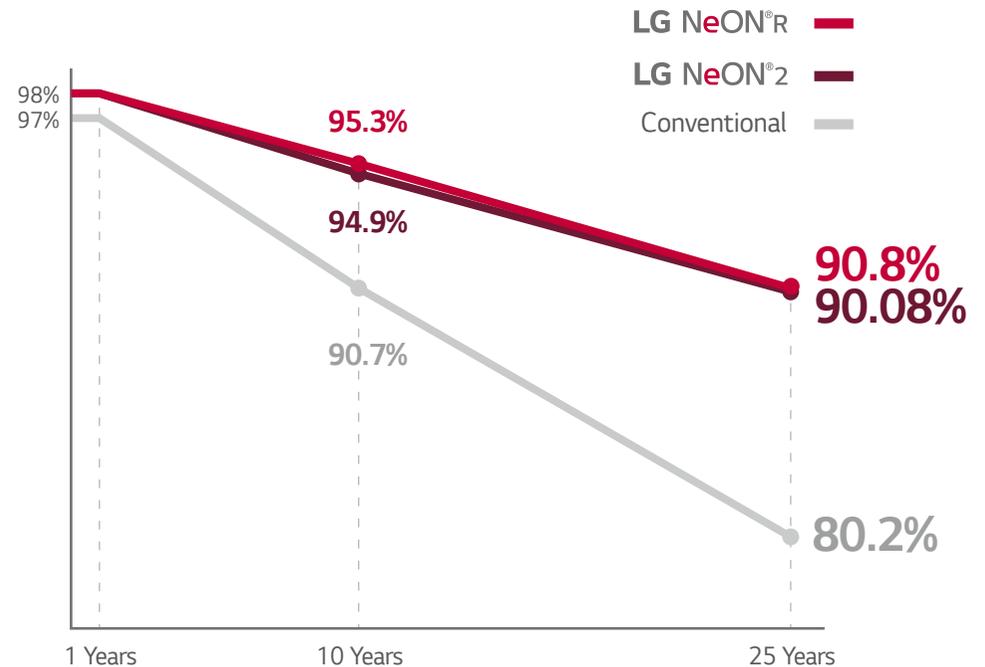
Quality assurance is our top priority

LG's solar manufacturing plants contain state-of-the-art testing laboratories. These facilities conduct tests on a daily basis to ensure product quality and performance. LG is the first corporation in the world to operate in-house solar testing facilities certified by the four leading inspection and certification authorities - UL, TÜV Rheinl, DVE and Intertek.



Superior quality solar panels with a 25-year warranty

LG offers a genuine 25-year, industry-leading warranty that covers both product and performance and guarantees high operating efficiency and ultimate output performance. This superior warranty is testament to the confidence we have in our panels' ability to deliver even more energy, reliability and savings over time.



Source: TBD

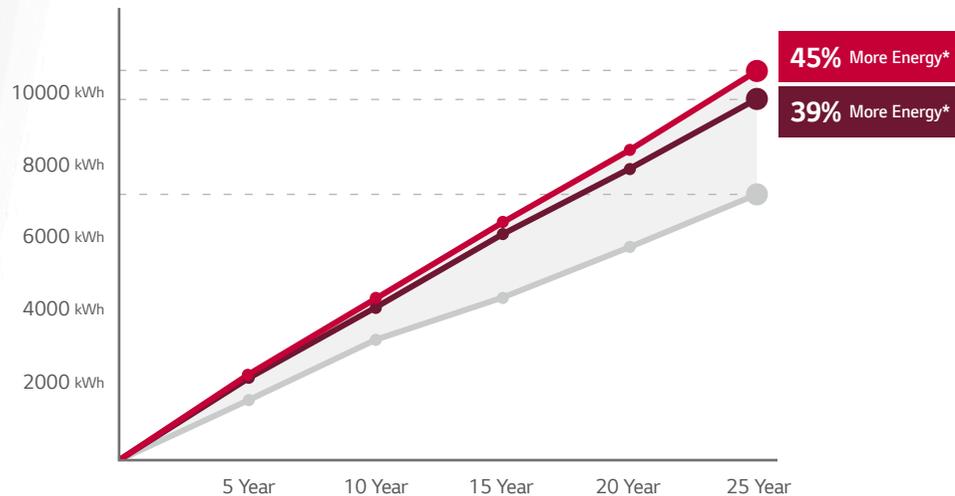
Lower degradation for long lasting performance

Solar panels degrade over their lifetime and produce less electricity annually. Our panels maintain their power for longer than conventional panels. Even after 25 years, LG NeON[®] 2 and NeON[®] R still produce more than 90% of their initial output.

LG Solar vs conventional solar on the same roof

Energy Production per Roof
 NeON® R - 370W
 NeON® 2 - 340W

LG NeON®R —
 LG NeON®2 —
 Conventional —



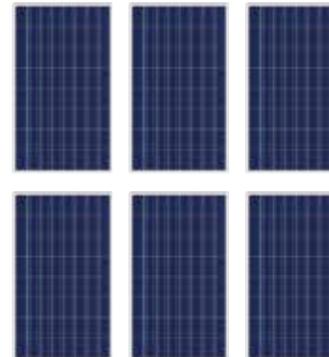
* Simulation assumption

LG NeON R : 370W, Annual degradation rate : -0.3% (1st year : -2%)
 LG NeON 2 : 340W, Annual degradation rate : -0.33% (1st year : -2%)
 Conventional : 270W, Annual degradation rate : -0.7% (1st year : -3%)
 Generation hour per day : 3.3

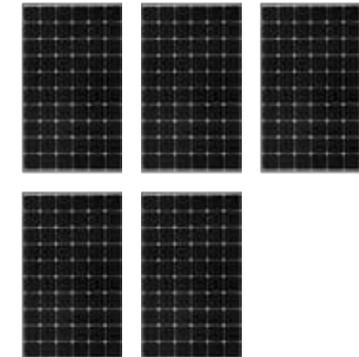
Higher output over 25 years

Over 25 years, NeON R 370W panels generate 45% more electricity than standard 270W panels (NeON2 340W panels generate 39% more) thanks to LG's cutting-edge technology

Conventional



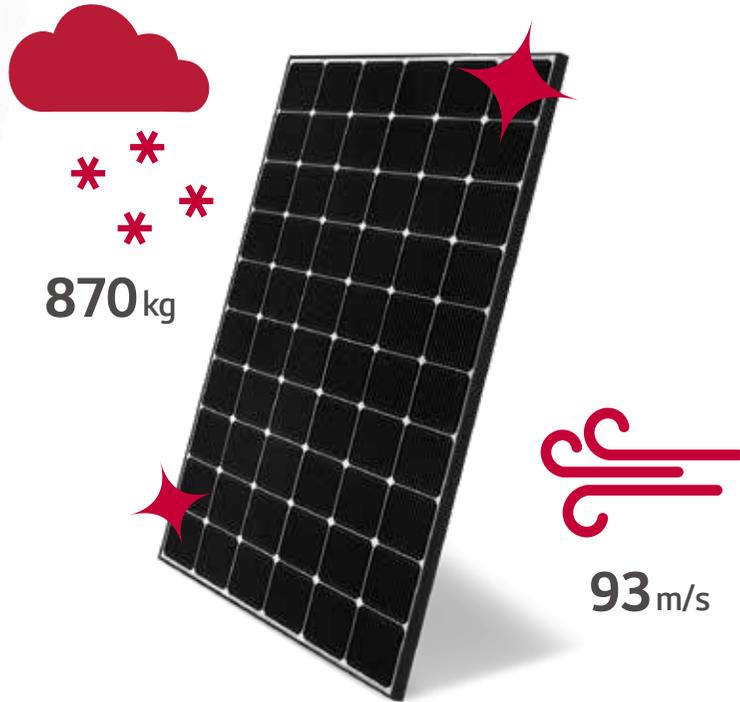
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VS

High efficiency for maximum savings

With LG's high-efficiency panels, fewer panels are required to generate the same amount of electricity. Therefore you can save both on total system and installation costs as well as on-going maintenance costs.



Weather-proof panel for peace of mind

With the sturdy and durable LG NeON[®] 2 frame design, LG NeON[®] 2 is able to withstand weights of up to 870kg, the equivalent of four 900(?) refrigerators - or wind speeds of up to 93 m/s, the equivalent of a category 5 windstorm.

Conventional

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Elegant and aesthetically satisfying design

The module's frame is colored with an attractive black finish and is anodized to increase durability and minimize damage from rain and salty sea wind over time. LG's sleek new design provides an aesthetically pleasing uniform appearance, which can even increase the value of your property.

Panels to Suit Your Every Need

LG Solar offers high-efficiency & premium PV modules for utility, commercial and residential applications.

LG NeON[®]R

LG NeON[®]RPrime

LG NeON[®]2

LG NeON[®]2 Black

LG NeON[®]2 BiFacial

LG NeON[®]2 BiFacial



up to 375 Wp

Black frame

No electrodes on front cells

LG's Best

up to 360 Wp

Full black

No electrodes on front cells

LG's Super Premium

up to 355 Wp

Black frame

Nice look (CELLO)

Ideal to increase kWh/m²

up to 340 Wp

Full black

Nice look (CELLO)

Ideal to increase kWh/m²

up to 340 Wp

Black frame

Nice look

Ideal to increase kWh/m²

400 Wp (front only)
- Up to 425 Wp (BiFi100)

Ideal for commercial (flat) roofs and greenfield systems



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Life's Good