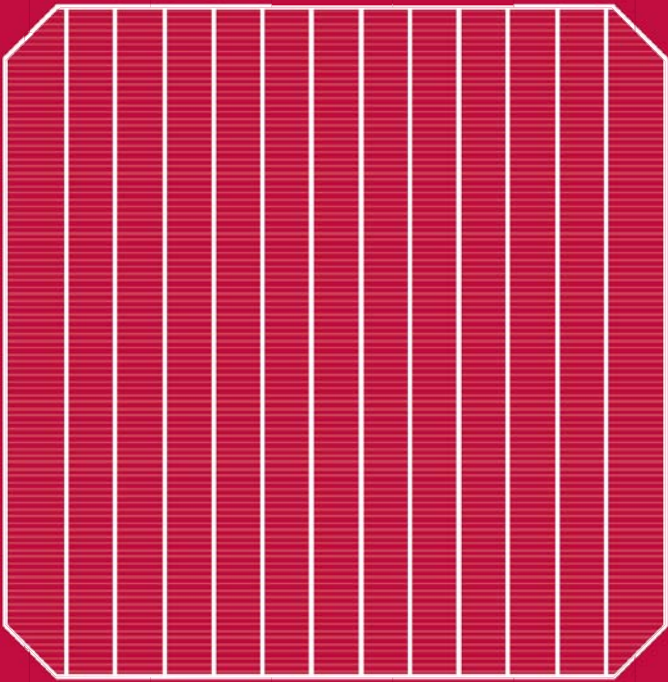


LG NeON™ 2

CELLO Technology



LG NeON™ 2

LG has introduced the NeON™ 2, with newly developed CELLO Technology which improves performance and reliability.

Up to
320W



300W



CELLO Technology

- Cell Connection
- Electrically
- Low Loss
- Low Stress
- Optical Absorption Enhancement



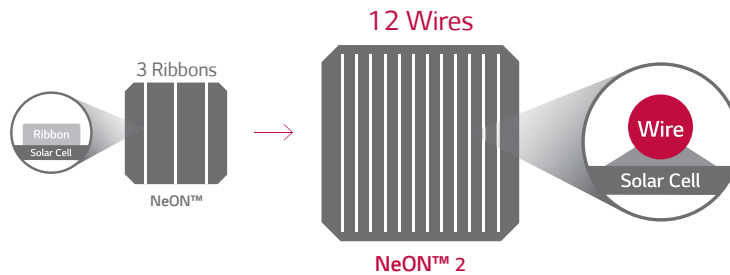
Low Loss



Low Stress

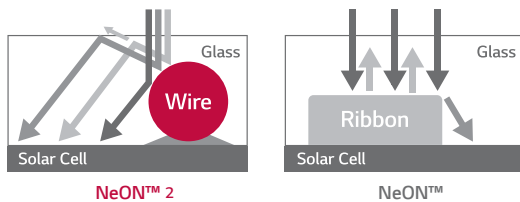


Optical Absorption Enhancement



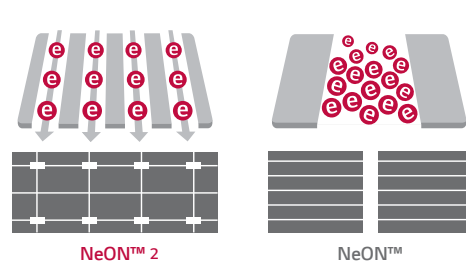
Improved Absorption of Light

Cello Technology improves the absorption of light with circular shaped wires, which scatter light more effectively.



Reduced Electrical Loss

Cello Technology reduces the electrical loss by spreading the current with 12 wires.



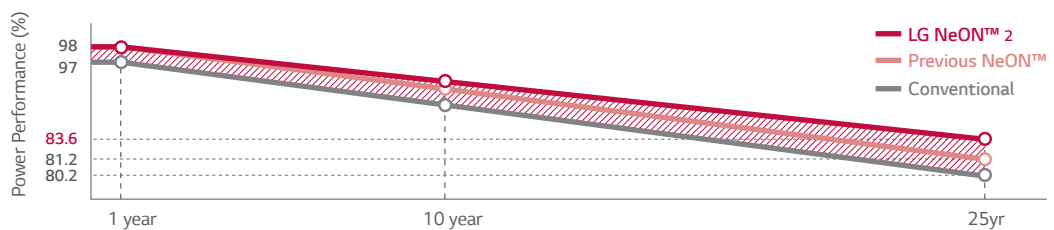
10 Checkpoints

For the Successful Installation of Solar Power System

Industry-leading Warranty

1 WARRANTY FOR A LONG-TERM OPERATION?

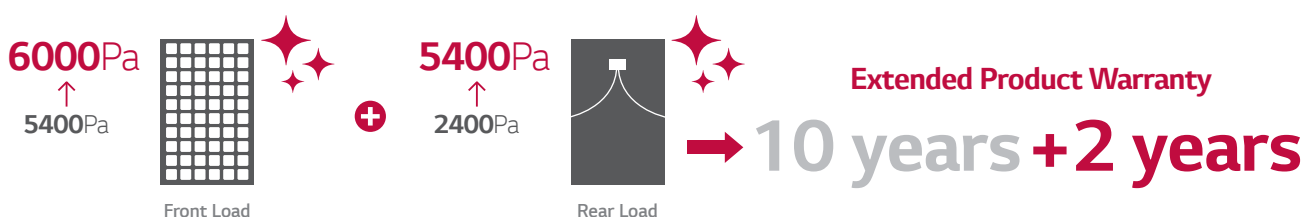
LG provides the enhanced performance warranty for the LG NeON™ 2. Annual degradation has fallen from -0.7%/year to -0.6%/year. New policy ensures the power performance of 83.6% at least after 25 years.



Cello Technology increases long-term performance. Even if micro-cracks naturally occur, Cello Technology will mitigate the degradation of performance with more electrical paths.

2 STRONG AGAINST THE HARSH ENVIRONMENT?

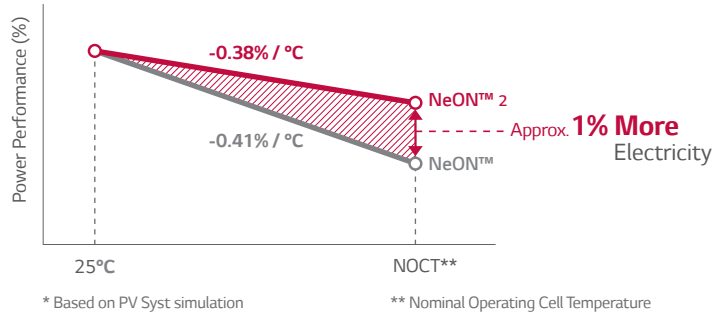
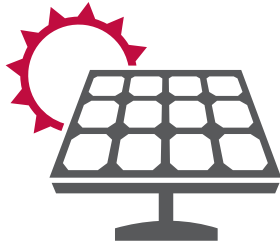
With reinforced frame design, LG NeON™ 2 can endure a front load up to 6000 Pa and a rear load up to 5400 Pa. Based on the improved rigidity, LG has extended the product warranty for additional 2 years.



Performance Beyond Expectation

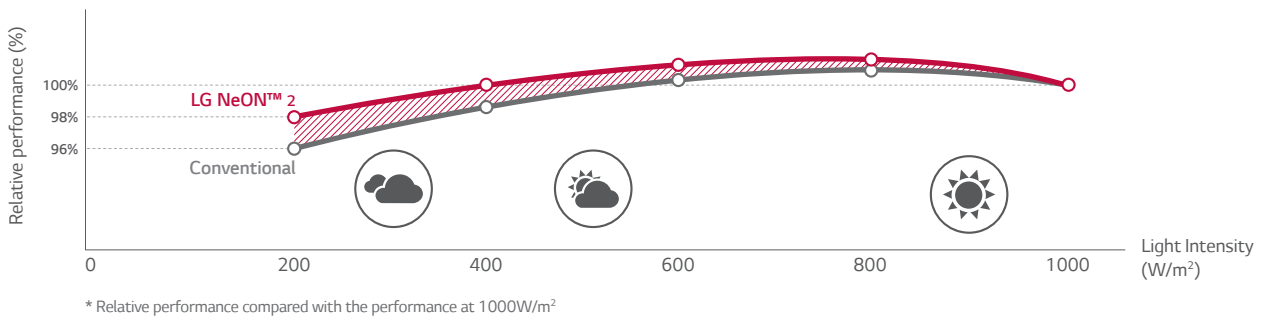
3 BETTER PERFORMANCE ON A SUNNY DAY?

LG NeON™ 2 generates more power on a sunny day thanks to its improved temperature coefficient.



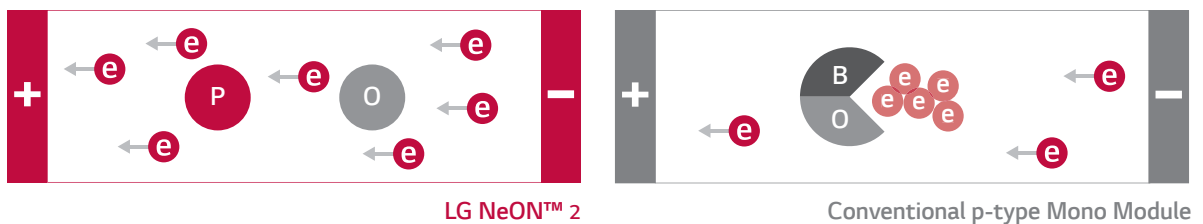
4 POWER GENERATION ON A CLOUDY DAY?

LG NeON™ 2 gives good performance even on a cloudy day due to its low energy reduction in weak sunlight.



5 LIGHT INDUCED DEGRADATION IN THE 1ST YEAR?

While conventional p-type modules suffer from LID (Light Induced Degradation) caused by the reaction of Boron and Oxygen over the 1st year, LG NeON™ 2 uses n-type wafer modules that are rarely affected by it.

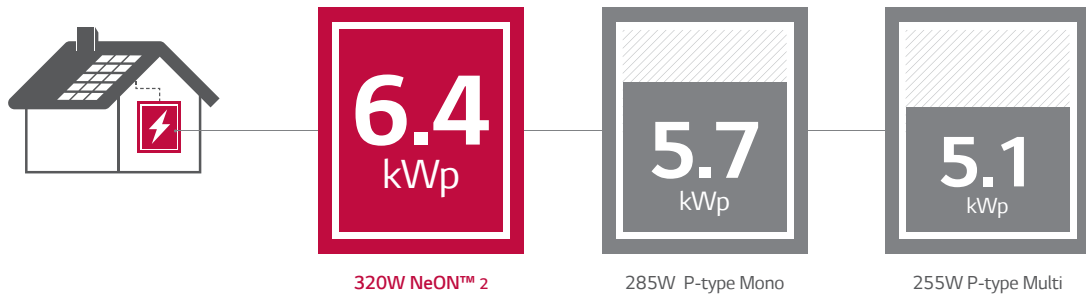


Perfect Solution for the Roof

6 MORE POWER GENERATION IN THE SAME AREA?

LG NeON™ 2 is the right solution for home owners who want to get more electricity within a limited roof space.

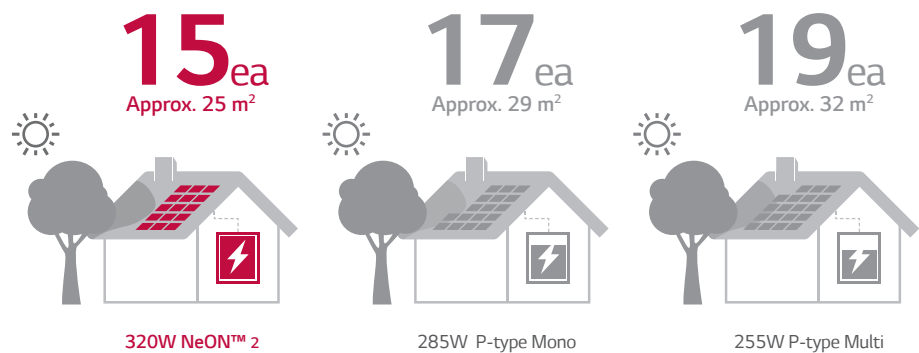
[The capacity of solar power system with 20 modules (60 cells)]



7 CONSTRAINTS FROM SURROUNDING CIRCUMSTANCE?

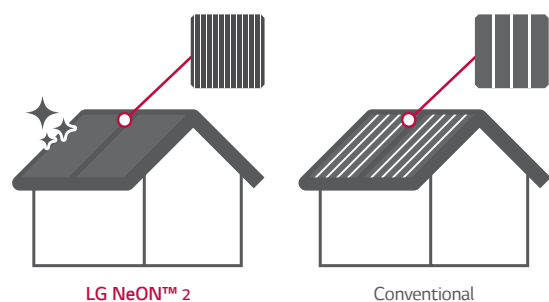
The shadow of the tree and chimney restricts the space for installation of solar system. High efficient LG NeON™ 2 makes it easier to build module array on the roof.

Comparison of Module quantity and space when installing 4.8kWp on the roof



8 AESTHETICALLY MATCHING WITH THE ROOF?

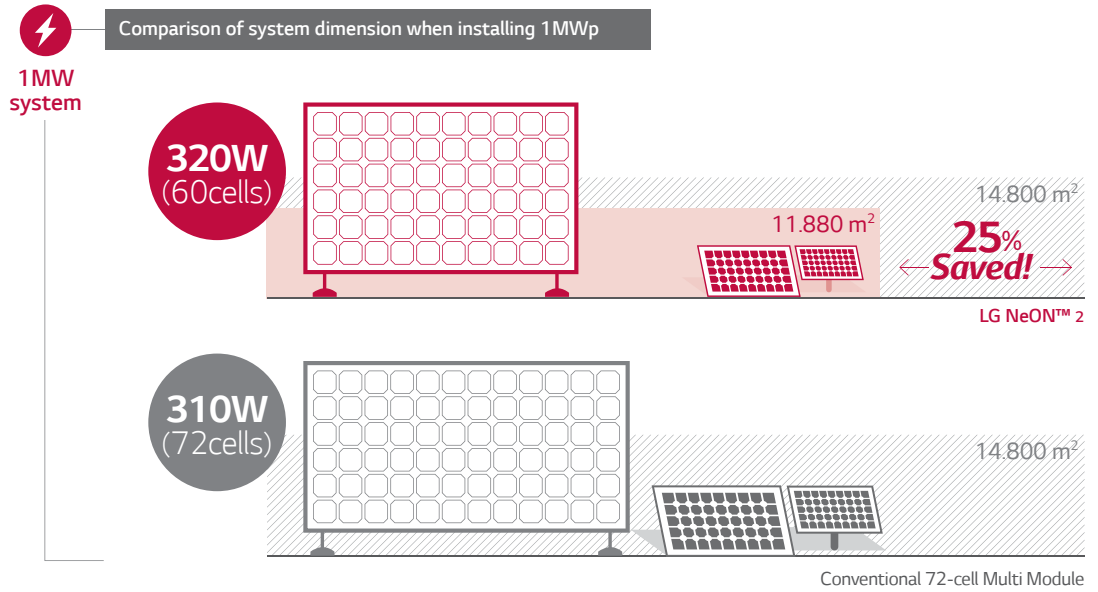
LG NeON™ 2 has been designed with aesthetics in mind; LG NeON™ 2 with thinner wires appear black at a distance. The product can increase the value of a property with its modern design.



Attractive Module for the Large Scale System

9 EFFICIENT SPACE MANAGEMENT?

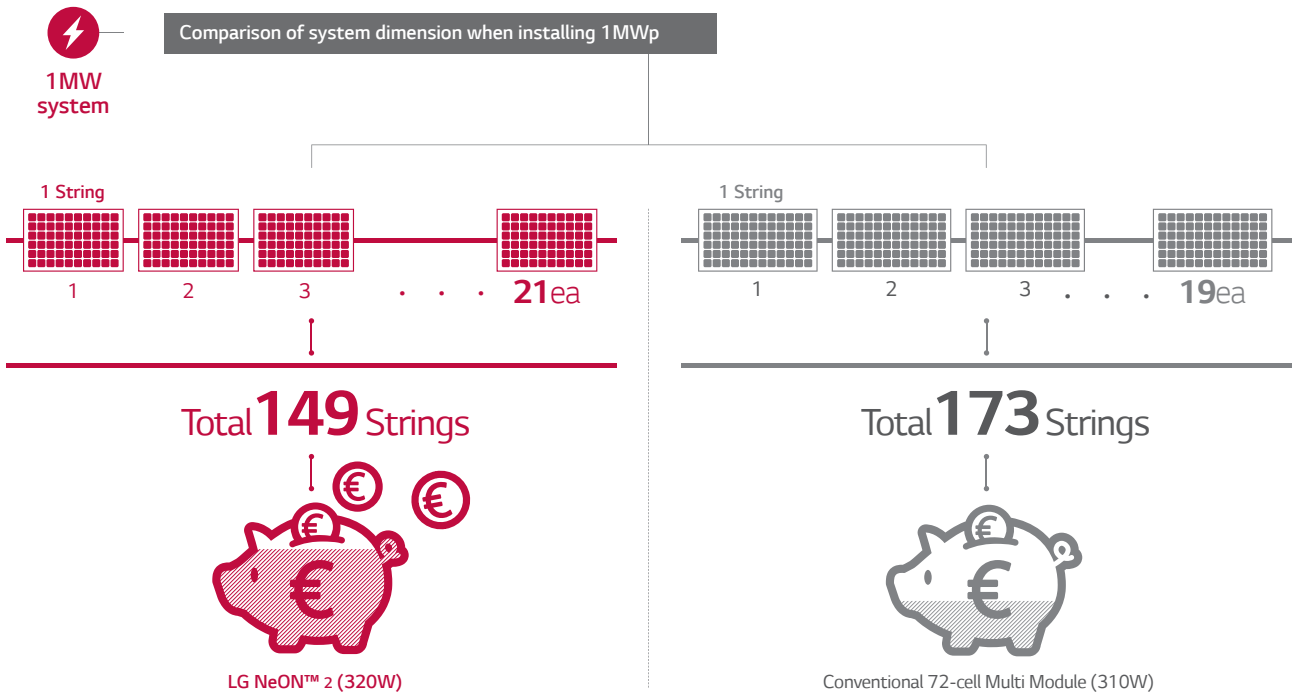
Compared with the conventional 72-cell multi module, the LG NeON™ 2 achieves higher power output with 60 cells, making it easy to manage space when installing large scale system.



* Based on PV Syst simulation

10 B.O.S.(Balance Of System) SAVING?

LG NeON™ 2 can reduce the total number of strings due to its higher efficiency and lower voltage than 72-cell modules. As a result, it saves the B.O.S. of solar power system.



* Based on PV Syst simulation and 1000V system voltage



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Subject to errors and alterations.

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