LG
Life's Good

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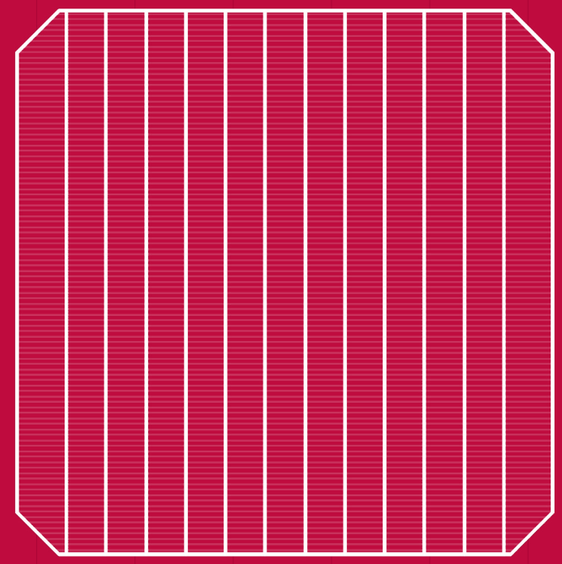
# LG NeON™ 2

## Cello Technology



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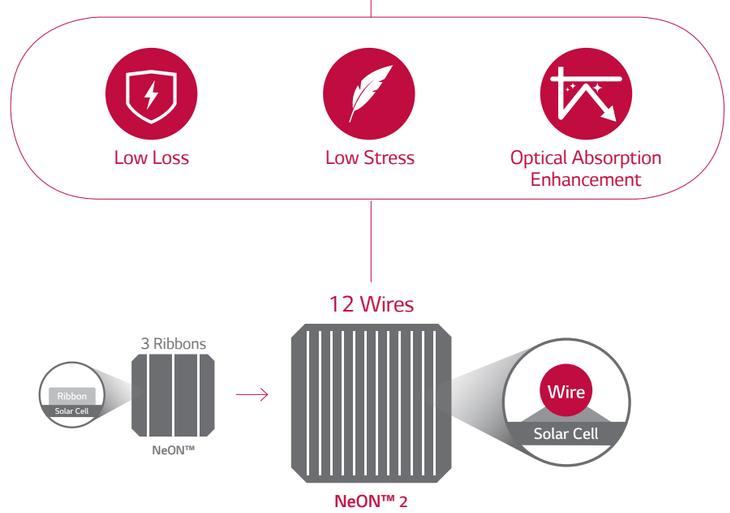
# LG NeON™ 2

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

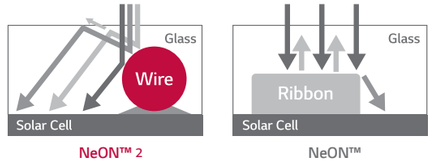

## Cello Technology

**C**ell Connection
**E**lectrically
**L**ow Loss
**L**ow Stress
**O**ptical Absorption Enhancement



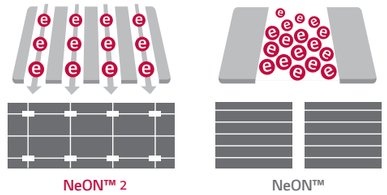

## Improved Absorption of Light

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.

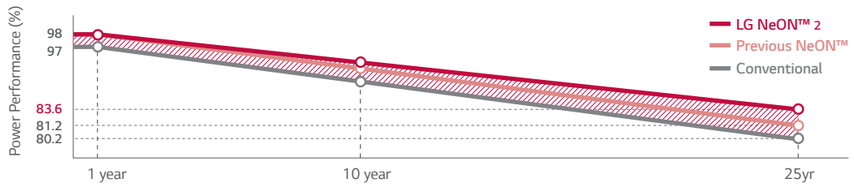


# 10 Checkpoints
## For the Successful Installation of Solar Power System

## 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.

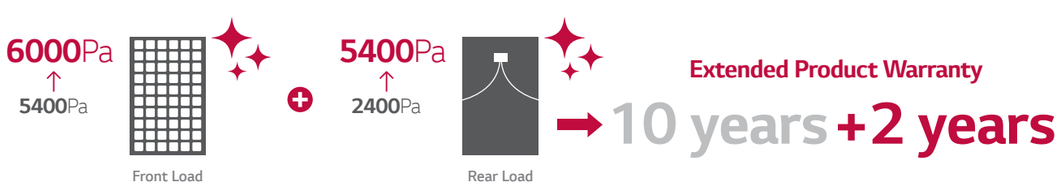




Cello Technology increases long-term performance. Even if micro-cracks naturally occur, Cello Technology will mitigate the degradation of performance with more electrical paths.

### 2 STRONG AGAINST THE HARSH ENVIRONMENT?

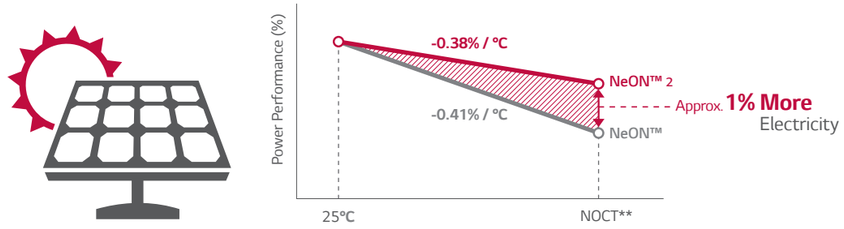
With reinforced frame design, LG NeON™ 2 can endure a front load up to 6000 Pa and a rear load up to 5400 Pa. Based on the improved rigidity, LG has extended the product warranty for additional 2 years.




## 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.

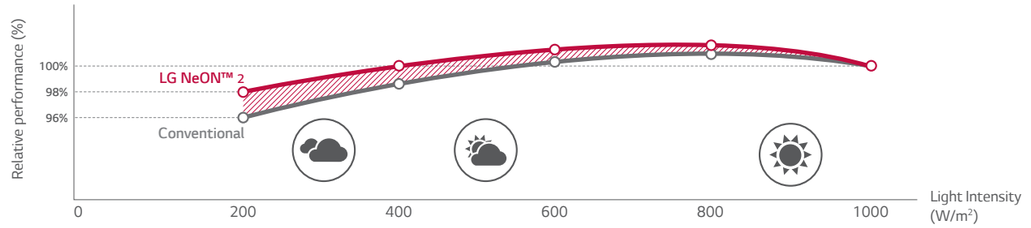



* Based on PV Syst simulation

** Nominal Operating Cell Temperature

### 4 POWER GENERATION ON A CLOUDY DAY?

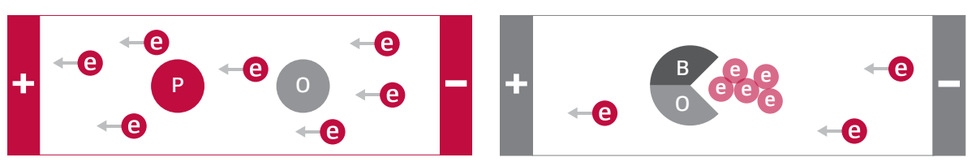
LG NeON™ 2 gives good performance even on a cloudy day due to its low energy reduction in weak sunlight.




* Relative performance compared with the performance at 1000W/m²

### 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.

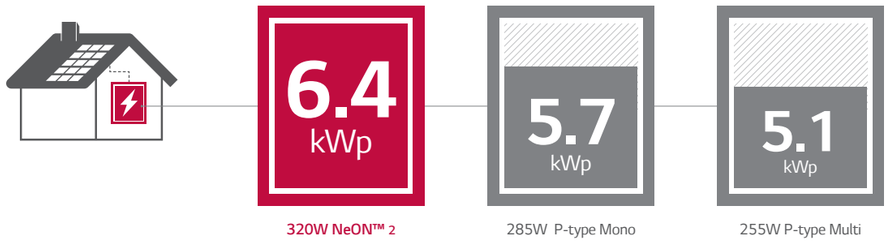


## Perfect Solution for the Roof

### 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.

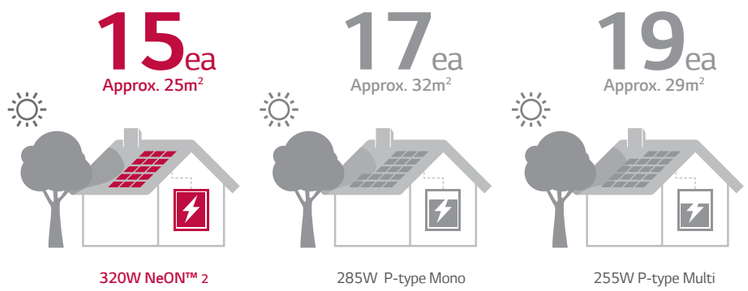
[ The capacity of solar power system with 20 modules (60 cells) ]




### 7 CONSTRAINTS FROM SURROUNDING CIRCUMSTANCE?

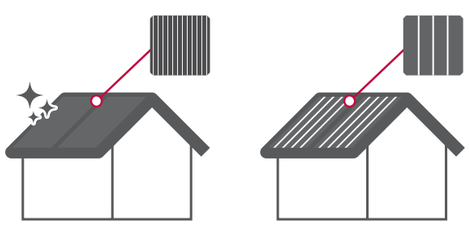
The shadow of the tree and chimney restricts the space for installation of solar system. High efficient LG NeON™ 2 makes it easier to build module array on the roof.

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.

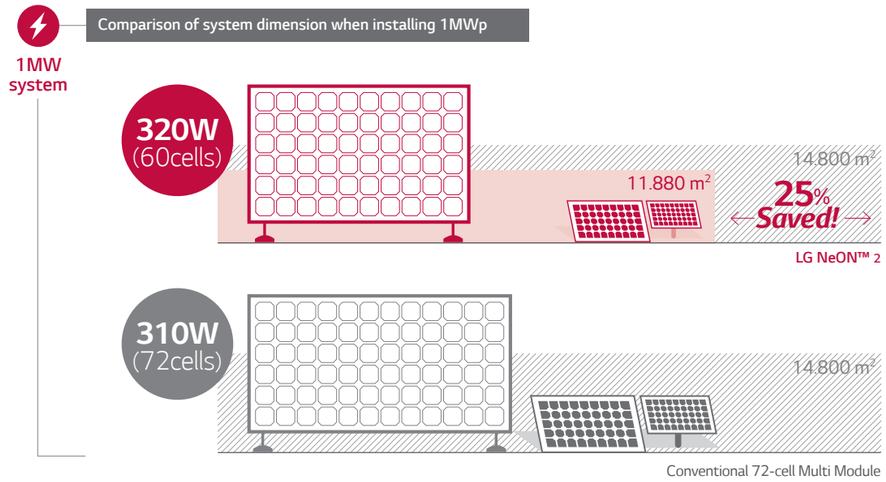



## Attractive Module for the Large Scale System

### 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.

Comparison of system dimension when installing 1MWp

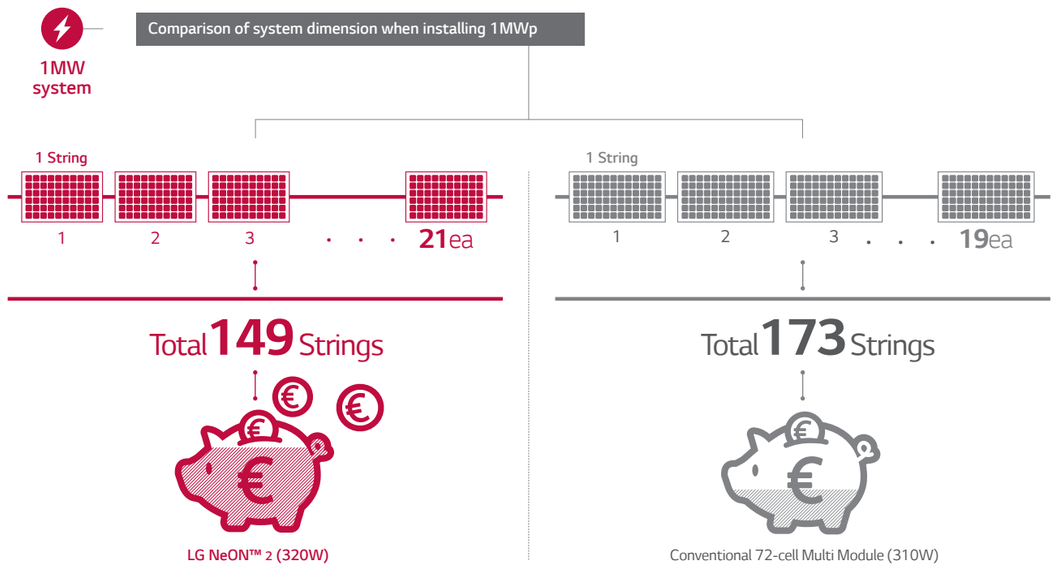



* Based on PV Syst simulation

### 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.

Comparison of system dimension when installing 1MWp




* Based on PV Syst simulation and 1000V system voltage