





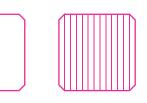
LG Electronics Inc.

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http://lg-solar.com

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* The contents can be changed without notice.



Innovation for a Better Life



Technological innovation is paramount for the growth of sustainable renewable energy.

The advancement of solar technology and affordability, combined with increasing public interest and support, has led to exponential growth for the industry.

Because photovoltaic (PV) modules have an average lifespan of 25 years, choosing a well-built product from a trusted brand is important. Through 30 years of diligent solar research and development, LG continuously leads the industry with PV modules that are unparalleled in quality and performance. Thanks to the stability and reputation of its veteran brand, LG is a reliable partner to our solar customers.





Best Partner for Your Life

LG SOLAR

Contents

---LG Innovation for a Better Life LG SOLAR



Why LG Solar?

- Brand Power - Leading Technology - Quality

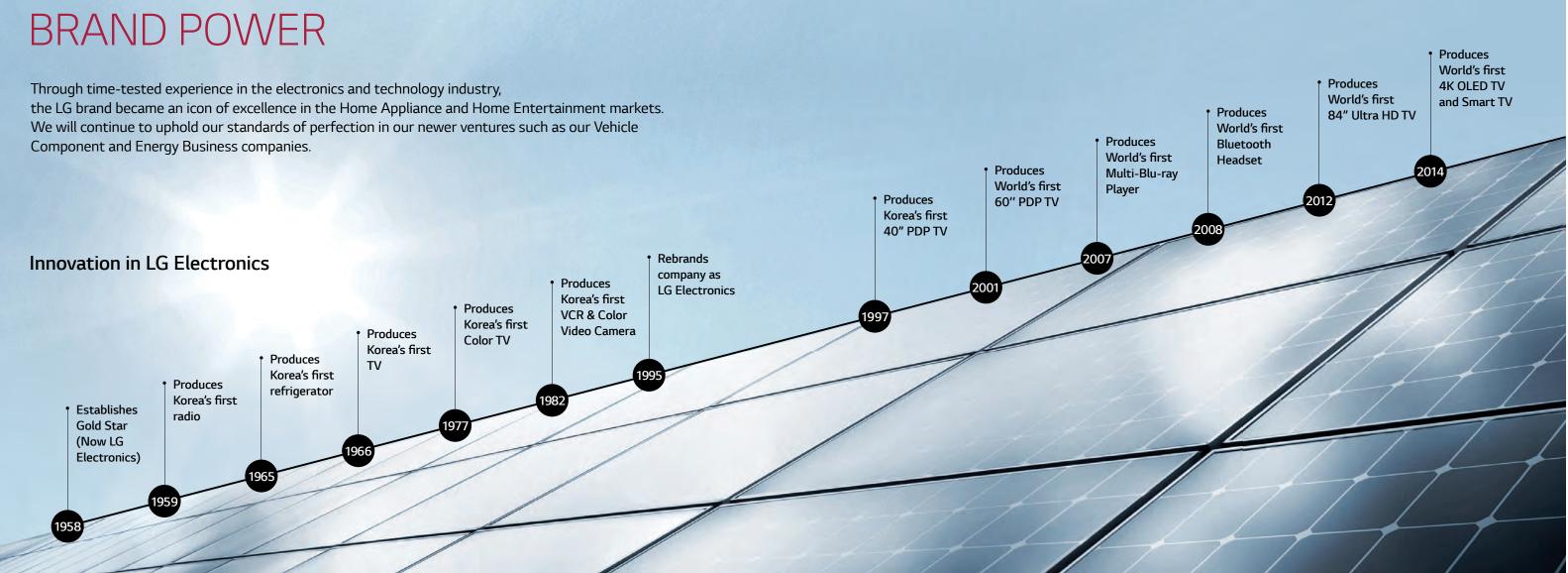
LG NeON[®] Series - LG NeON[®] R - LG NeON[®] 2 / LG NeON[®] 2 Black

- LG NeON® 2 BiFacial

Reference

Contact Us

Through time-tested experience in the electronics and technology industry,



LG Electronics plays an active role in world markets with its assertive global business policy. As a result, LG Electronics controls 118 local subsidiaries worldwide, with roughly 75,150 executives and employees.



LG Smart Energy Solutions

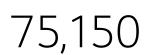
LG has developed a complete energy management system that integrates solar energy production, storage, and control that can be integrated with LG high efficiency appliances.

REVENUE

Workforce

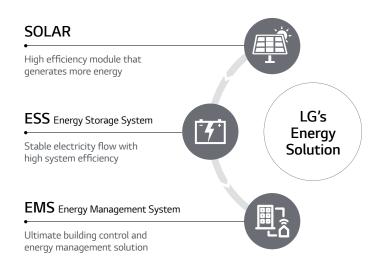
World Presence





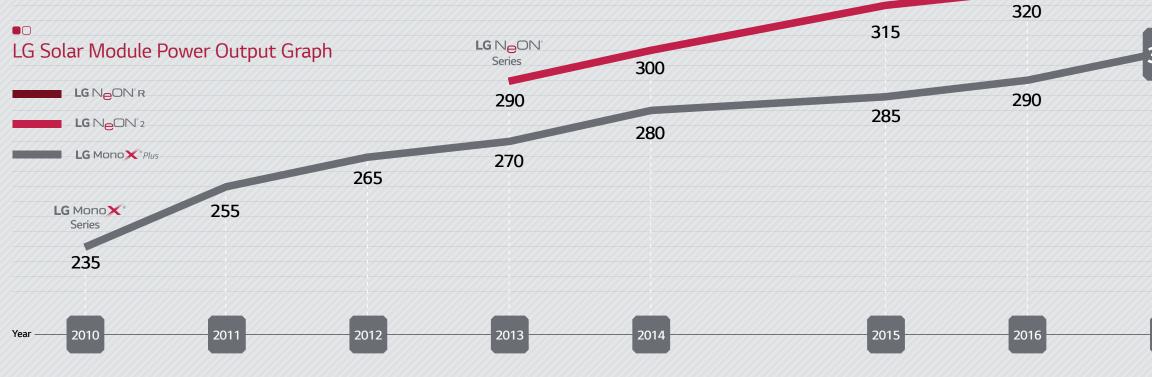
 $118_{\rm Global\,Operations}$

Innovation for a Better Life LG SOLAR



LEADING TECHNOLOGY

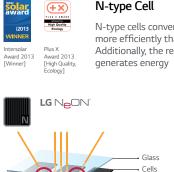
LG won the internationally recognized "Intersolar AWARD" in 2013, 2015, and 2016 for groundbreaking ideas and technological innovations that set it ahead of the competition. Growing power output at an expeditious ~7.5% annually, LG's flagship NeON® R, 60-cell module generates a remarkable 370W output.

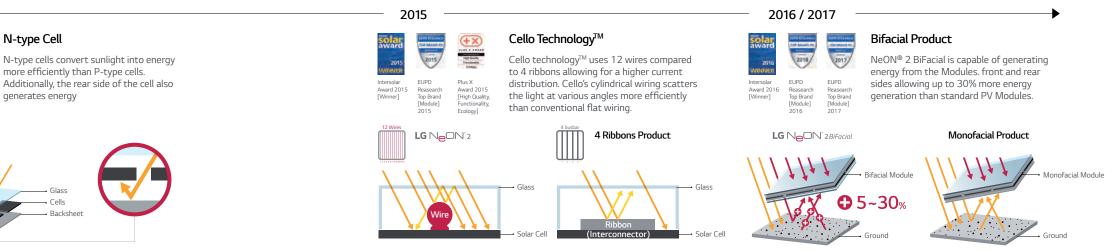


LG Solar Awards & Innovation in Technology



_____ 2013





Innovation for a Better Life LG SOLAR

365 37	0 LG N _C ON [®] R 21.4% efficiency	- 380
500	21.4% efficiency	- 360
		350
34	0 LG N _C ON [®] 2 19.8% efficiency	340
335		330
		320
		310
300 17.5% efficiency		300
III.J% efficiency		290
		280
		270
		260
		250
		- 240
		- 230
		220
2017 2018	8	W
* To be	launched in 4th guarter	

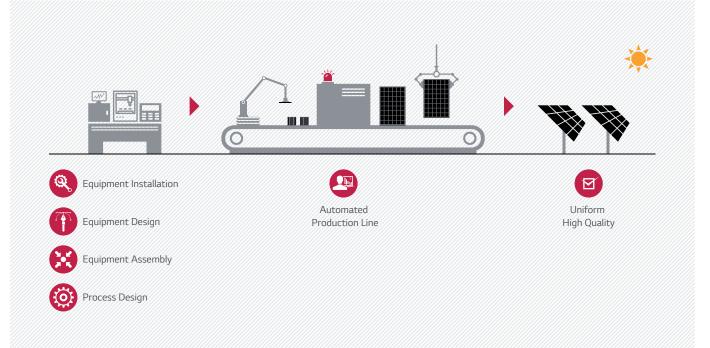
LG has always built innovative, high quality products, and LG modules uphold the same standards. LG PV modules remain robust and efficient in environments with high temperatures or low irradiance. This, combined with a low annual degradation and longer warranty than the market average, ensures LG quality and consumer confidence.

Operational Excellence & Testing Facilities

LG PV modules are built on an automated production line in order to maintain the utmost precision and quality, and LG is the first corporation in the world to operate in-house solar testing facilities that are certified by the 4 major inspection and certification authorities.



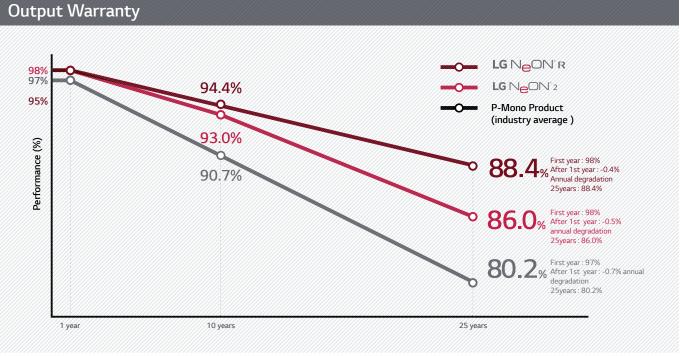
Intertek

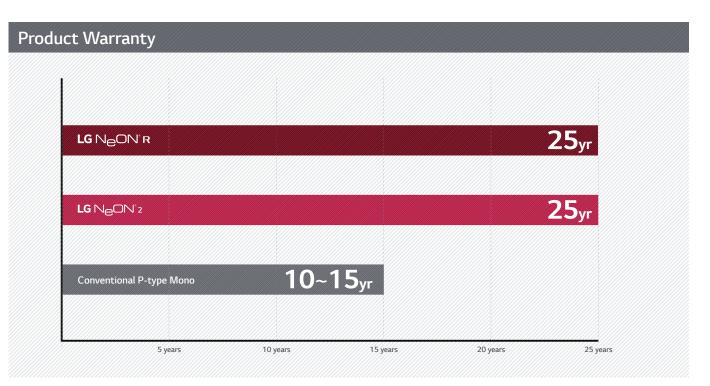


Superior Performance Warranty

electricity.







LG offers an industry top-level warranty on output and product, providing customers with peace of mind when generating

The Apex of Solar Generation

The LG NeON[®] R is LG's premier module armed with the highest and most efficient energy generation technology that LG has ever produced. LG NeON® R not only generates the most energy from LG's lineup but is also the most stable in all environmental conditions.



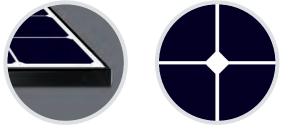
\bigcirc **Technical Data**

Product Model	LG NeON® R 60cell		
Cell Type	Monocrystalline / N-type		
# of Cells	60cell (6 x 10)		
Maximum Power	370W	365W	360W
Module Efficiency	21.4%	21.1%	20.8%
Dimensions (L x W x H)	1,700 x 1,016 x 40 mm		
Weight	18.5kg		
Output Warranty of Pmax	Linear Warranty First year : 98%, After 1 st year : 0.4% annual degradation, 25years : 88.4%		
Product Warranty	25years		

\bigcirc Features

Technical Feature

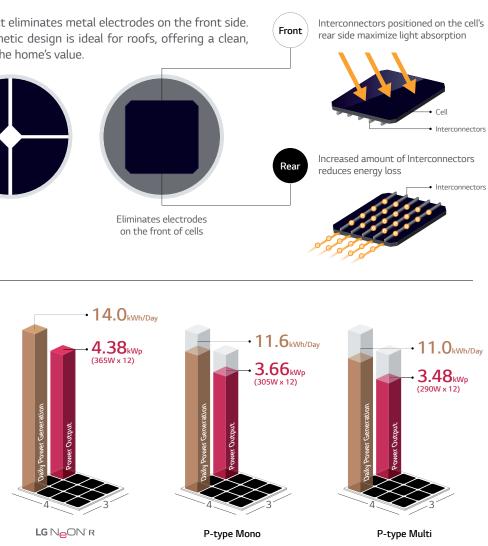
The LG NeON® R is a sleek module that eliminates metal electrodes on the front side. The module's environmental and aesthetic design is ideal for roofs, offering a clean, sleek modern exterior and increasing the home's value.



Delivers premium black frame

High Power Generation

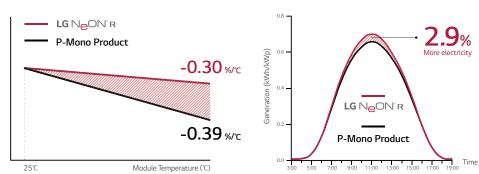
The LG NeON[®] R is a high efficiency module that generates more energy than a conventional module. Less modules are needed to achieve energy requirements, allowing consumers flexibility in system design.



* PV Syst simulation result * Region : Bayern München, Germany * Data source : Pan file. Datasheet

High Temperature Stability

The LG NeON[®] R generates 2.9% more energy than conventional P-type mono modules in high temperature conditions.



* PV Syst simulation result * Region : Bayern München, Germany * One day in July (Highest temperature in a day : 32°C) * Data source : Pan file, Datasheet

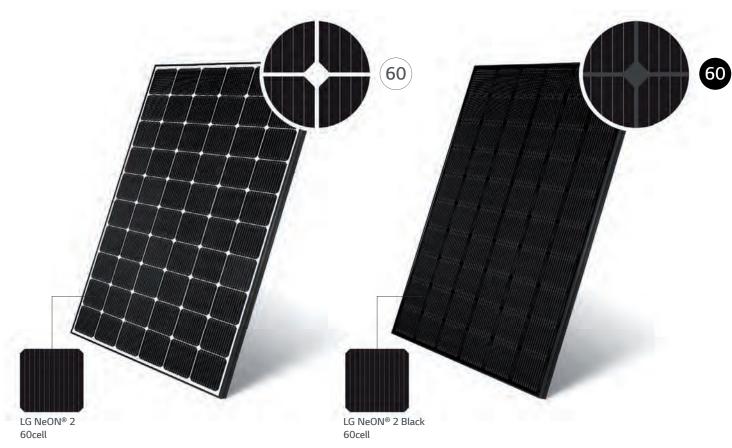
8



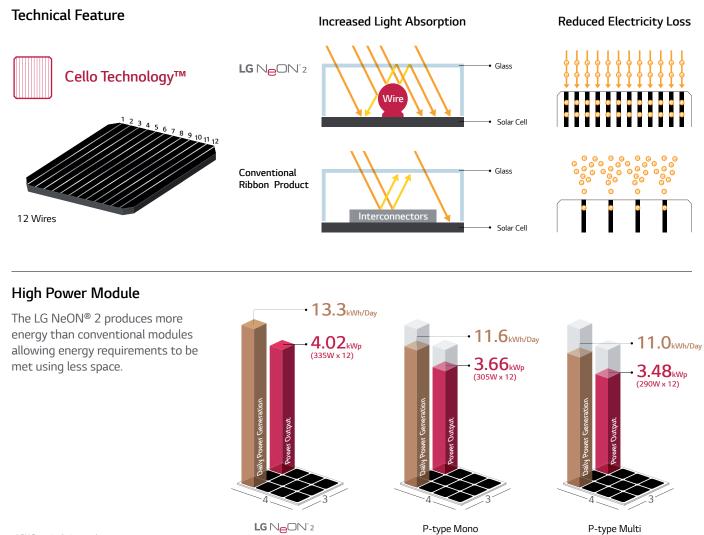
$LG N_{e}ON^{\circ} 2 | LG N_{e}ON^{\circ} 2Black$

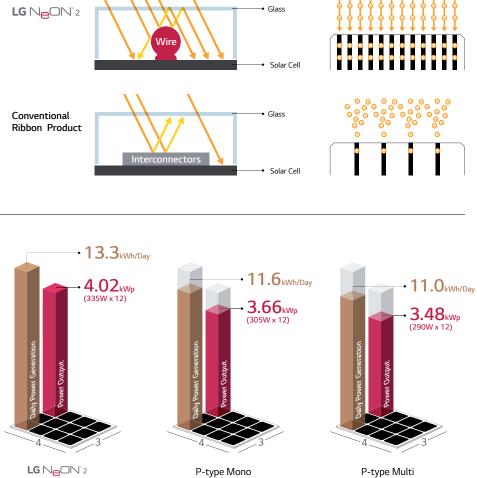
LG's Best-selling Module

The LG NeON[®] 2 is LG's best-selling solar module. It received the acclaimed 2015 Intersolar AWARD for featuring LG's Cello TechnologyTM which increases its power output and reliability making it one of the most powerful and versatile modules on the market.



Features





* PV Syst simulation result * Region : Bavern München, Germany * Data source : Pan file, Datasheet

Aesthetic Black module

The LG NeON[®] 2 black is equipped with a sophisticated matte black frame and a complementary black back sheet, and black cells with thin electrodes. This module is perfectly suited to any rooftop.



Black Frame

$\bigcirc \blacksquare \bigcirc$ **Technical Data**

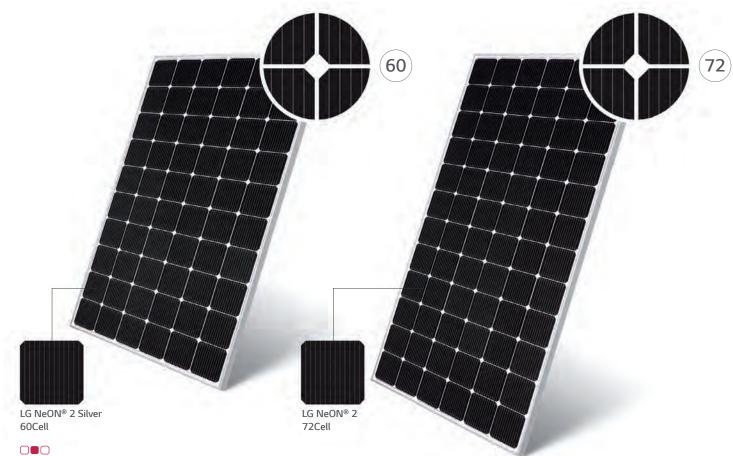
Product Model	LG NeON [®] 2 60cell		LG NeON [®] 2 Black 60cell	
Cell Type	Monocrystalline / N-type		Monocrystalline / N-type	
# of Cells	60cell (6 x 10)		60cell (6 x 10)	
Maximum Power	340W	335W	320W	
Module Efficiency	19.8%	19.6%	18.7%	
Dimensions (L x W x H)	1,686 x 1,016 x 40 mm		1,686 x 1,016 x 40 mm	
Weight	18kg		18kg	
Output Warranty of Pmax	Linear Warranty (First year : 98%, After 1st year : 0.5% annual degradation, 25years : 86%)			
Product Warranty	25years			

Power Output Comparison of 12-module arrays

LG N_eON[°] 2

LG's Best-selling Module

The LG NeON[®] 2 is LG's best-selling solar module. It received the acclaimed 2015 Intersolar AWARD for featuring LG's Cello TechnologyTM which increases its power output and reliability making it one of the most powerful and versatile modules on the market.



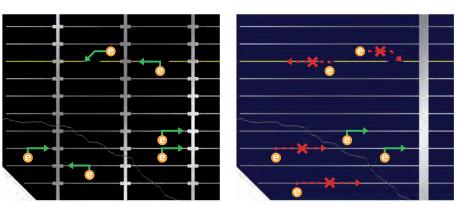
Technical Data

Product Model	LG NeON [®] 2 Silver 60Cell		LG NeON [®] 2 72Cell	
Cell Type	Monocrystalline / N-type		Monocrystalline / N-type	
# of Cells	60cell (6 x 10)		72cell (6 x 12)	
Maximum Power	335W	330W	400W	395W
Module Efficiency	19.6%	19.3%	19.3%	19.1%
Dimensions (L x W x H)	1,686 x 1,016 x 40 mm		2,024 x 1,024 x 40 mm	
Weight	18kg		21.7kg	
Output Warranty of Pmax	Linear Warranty (First year : 98%, After 1st year : 0.5% annual degradation, 25years : 86%)			
Product Warranty	25years			

Features

Enhanced Long-term Reliablity

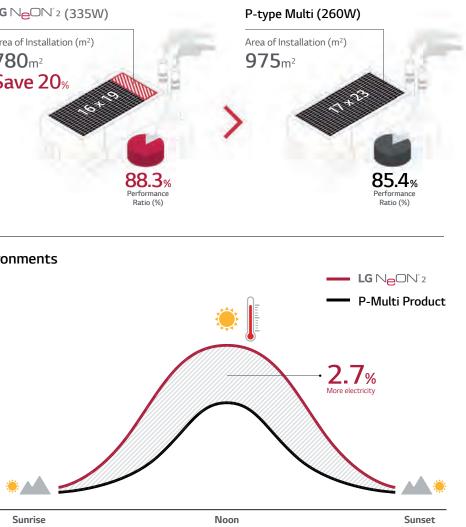
When micro-cracks or finger electrode erosion occurs due to outside factors, LG NeON[®] 2 reduces down performance by blocking the electrical path due to the layout of wires.



High Power Module

The LG NeON[®] 2 produces more energy than Conventional P-type Multi modules allowing energy requirements to be met using less space.

780m²

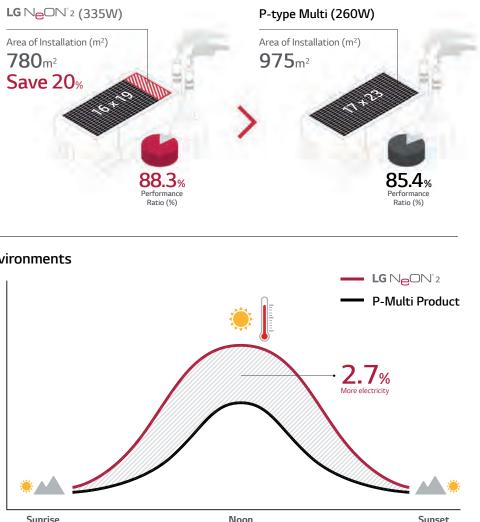


* PV Syst simulation result * Region : Bayern München, Germany * Data source : Pan file, Datasheet * Pitch : 5.5m * The distance between modues in an array : 20mm

Strong Performance in Diverse Environments

The LG NeON[®] 2 generates 2.7% more energy than P-type Multi modules in high temperature conditions as well as in low irradiation conditions.

* PV Syst simulation result * Region : Bayern München, Germany
* One day in July(Highest temperature in a day : 32°C)
* Data source : Pan file, Datasheet



LG N_eON' 2

Conventional Ribbon Product

Multiple electrical paths maintained by wires

LG N_eON[®] 2BiFacial

Double-sided Generation At Its Best

The LG NeON® 2 BiFacial is designed to absorb irradiance not only from the front, but also the rear of its NeON® cell by using a transparent back sheet. The dual faces of the cell allow for higher energy generation.



$\bigcirc \blacksquare \bigcirc$ Technical Data

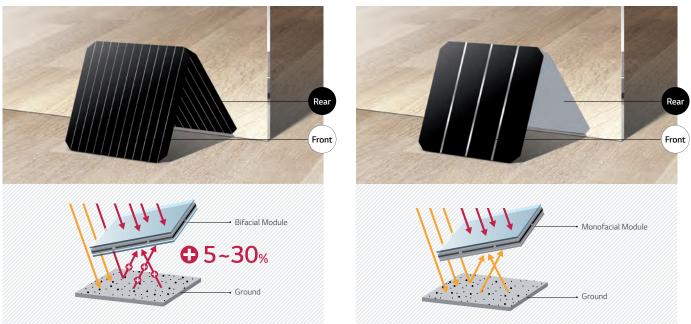
Product Model	LG NeON® 2 BiFacial		
Cell Type	Monocrystalline / N-type		
# of Cells	72cell (6 x 12)		
Maximum Power	395W	390W	
Module Efficiency	18.7%	18.5%	
Dimensions (L x W x H)	2,064 x 1,024 x 40 mm		
Weight	22.1kg		
Output Warranty of Pmax	Linear Warranty (First year : 98%, After 1st year : 0.5% annual degradation, 25years : 86%)		
Product Warranty	25years		

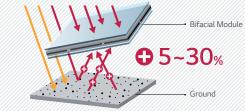
Features

N-type Cell (double-sided generation cell structure)

Using a NeON[®] cell which can generate energy on both sides, LG developed the optimized module for bifacial generation.

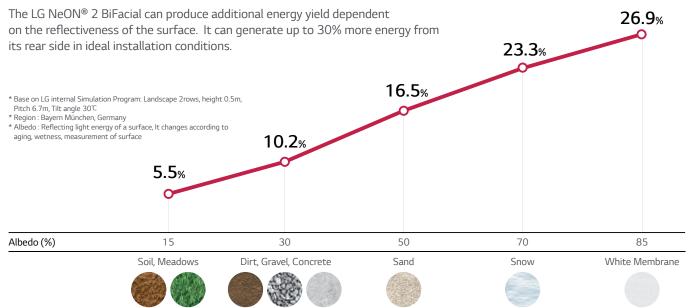
LG N_eON[®] 2 BiFacial





Additional Energy Yield Based on Ground Type

its rear side in ideal installation conditions.



Conventional Monofacial Product

REFERENCE





Netherland_Venlo

Germany_Leipzig

Germany_Grasberg

Innovation for a Better Life LG SOLAR

Residential

Thailand_Bangkok

Switzerland_Kolliken

REFERENCE

Commercial



Thailand_Bangkok



Australia_Sydney

Innovation for a Better Life LG SOLAR

Utility

USA_Easton

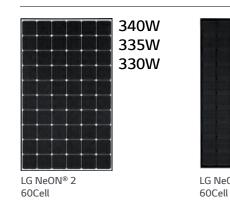
Japan_Aomori

PRODUCT LINE-UP



LG NeON® R 60Cell

LG N_eON[°] 2







400W

395W

LG N_eON[®] 2 BiFacial



LG NeON® 2 Bifacial 72Cell

LG Solar Is Your Best Partner

LG Solar has conducted continued solar energy research for the last 30 years. By synergizing this research with more than 50 years of experience and knowhow in the electronics industry, LG has developed a premium solar module product line that offers long-term quality assurance and high energy output capacity.

LG Solar continues to seek new challenges even today. Rather than settling for its successes up to this point, LG Solar will continue its genuine and relentless pursuit of value to satisfy its customers.





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