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THE NEW HIGH PERFORMANCE CHAMPION

LG NeON®R

HIGHLIGHT 2017

UP TO 370 WATTS

25 YEARS PRODUCT WARRANTY

CONTACTLESS CELLFRONT

AESTHETIC DESIGN

LG
Life's Good

LG NeON®R
www.lg-solar.com/uk

LG NeON® R

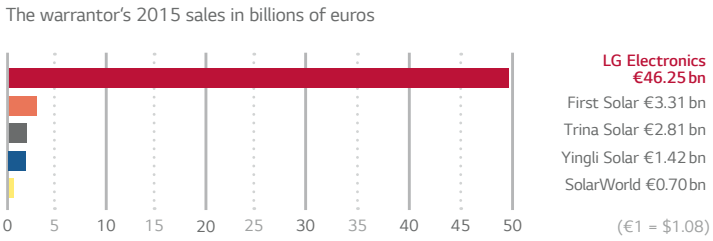
LG NeON® R – PERFORMANCE & DESIGN WITH PASSION

The LG NeON® R is the new high-performance solar module from LG. Its aesthetic design and outstanding performance of up to 370 Wp is a valuable addition to any roof. The 60 cell solar module can endure a static front load up to 6,000Pa, has an expanded product warranty of 25 years and a once-again improved linear performance warranty.

LOCAL GUARANTOR, GLOBAL SECURITY

LG Solar is part of LG Electronics, a global and financially strong company, with over 50 years of experience.

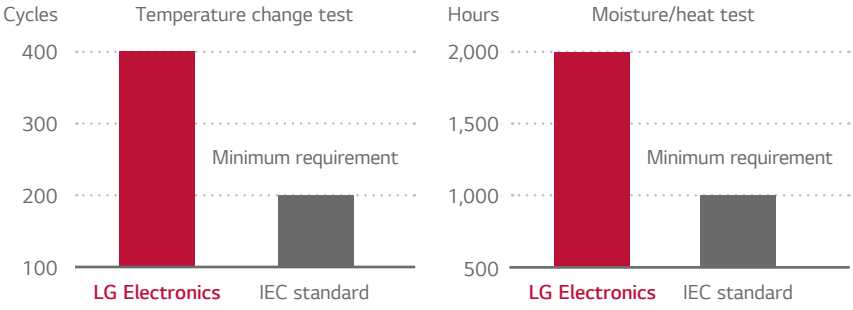
Good to know: LG Electronics is the warrantor for your solar modules.



EXCELLENT QUALITY, INDEPENDENTLY TESTED

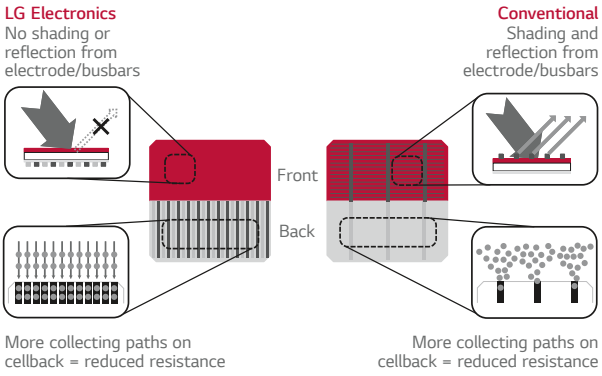
You can rely on LG. We test our products with double the intensity specified in the IEC standard. This quality is valued by installers across Europe, which is why they have awarded our LG solar modules the Top Brand PV stamp of quality for the highest recommendationrates for the fourth time in a row.

EUPD RESEARCH TOP BRAND PV MODULES EUROPE 2017



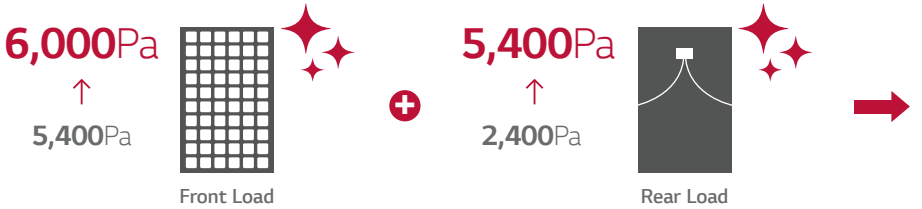
STRONG DESIGN, POWERFUL PERFORMANCE

The busbars on the new LG NeON® R were mounted on the rear of the cells to expose the entire front side to light and therefore generate more electricity. LG creates an innovative and aesthetic cell design by incorporating 30 rear-side busbars instead of the 3 or 4 standard busbars on the cell front, a revolutionary approach that guarantees outstanding module performance.



POWERFUL DESIGN, GUARANTEED ROBUST

With reinforced frame design, LG NeON® R can endure a front load up to 6,000Pa (represents snow height of normal snow of more than 1.8 meters) and a rear load up to 5,400Pa (represents wind speed of up to 93 m/s, compare max. wind speed of Hurricane Katrina 2005 of max. 75 m/s).



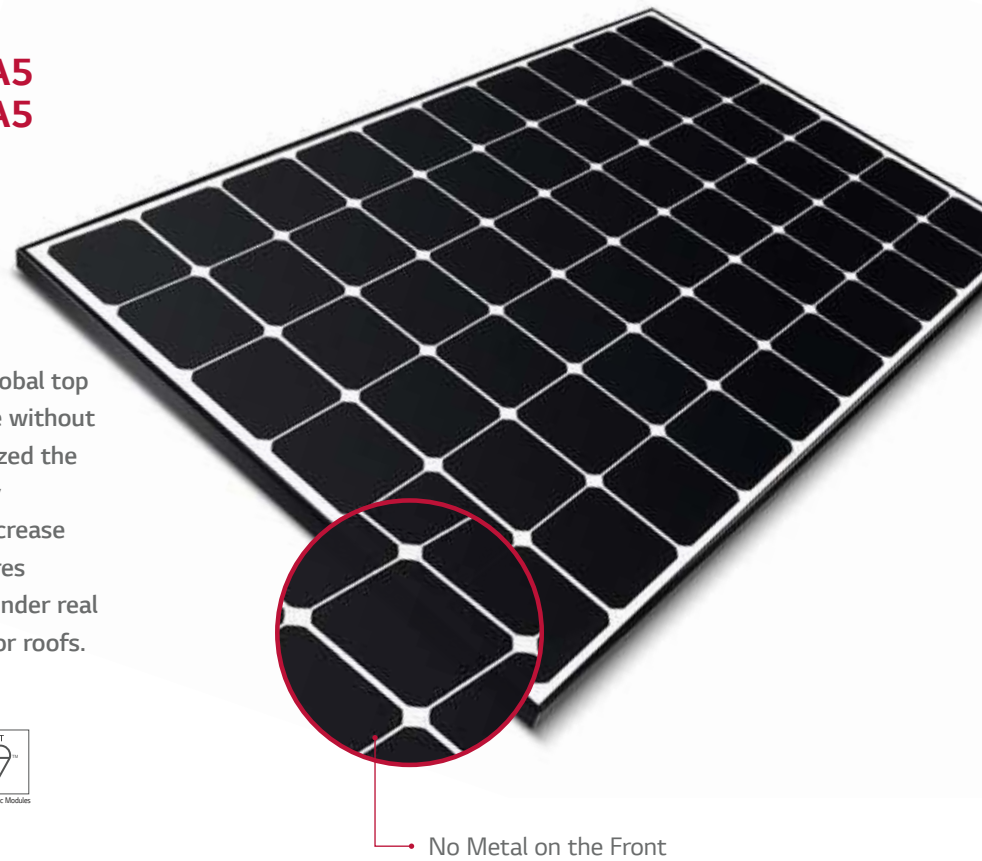
*1) First 5 years: 95 %. 2) After 5th year: 0.4 % annual degradation. 3) 25 years: 87 %.

LG NeON® R

LG370Q1C-A5 | LG365Q1C-A5
LG360Q1C-A5 | LG355Q1C-A5
LG350Q1C-A5

60 cell

LG NeON® R is new powerful product with global top level performance. Applied new cell structure without electrodes on the front, LG NeON® R maximized the utilization of light and enhanced its reliability
LG NeON® R demonstrates LG's efforts to increase customer's values beyond efficiency. It features enhanced warranty, durability, performance under real environment, and aesthetic design suitable for roofs.



KEY FEATURES

Enhanced Performance Warranty

LG NeON® R has an enhanced performance warranty. After 25 years, LG NeON® R is guaranteed at least 87% of initial performance.

High Power Output

The LG NeON® R has been designed to significantly enhance its output making it efficient even in limited space.

Aesthetic Roof

LG NeON® R has been designed with aesthetics in mind: no electrode on the front that makes new product more aesthetic. LG NeON® R can increase the value of a property with its modern design.

Outstanding Durability

With its newly reinforced frame design, LG NeON® R can endure a front load up to 6,000Pa, and a rear load up to 5,400Pa.

Better Performance on a Sunny Day

LG NeON® R now performs better on a sunny days thanks to its improved temperature coefficient.

25 Years Product Warranty

As well as the enhanced performance warranty, LG has extended the product warranty of the LG NeON® R for additional 15 years to 25 years.

About LG Electronics

LG Electronics is a global big player, committed to expanding its operations with the solar market. The company first embarked on a solar energy source research program in 1985, supported by LG Group's vast experience in the semi-conductor, LCD, chemistry and materials industries. In 2010, LG Solar successfully released its first MonoX® series to the market, which is now available in 32 countries. The LG NeON® (previous. MonoX® NeON), NeON®2, NeON®2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG Solar's lead, innovation and commitment to the industry.

LG NeON® R

Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	161.7 x 161.7 mm
# of Busbar	30 (Multi Ribbon Busbar)
Dimensions (L x W x H)	1,700 x 1,016 x 40 mm
Front Load	6,000Pa
Rear Load	5,400Pa
Weight	18.5 kg
Connector Type	MC4, 05-8
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,000 mm x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

Electrical Properties (STC[3])

Model		LGXXXQ1C-A5				
Maximum Power (Pmax)	[W]	370	365	360	355	350
MPP Voltage (Vmpp)	[V]	37.0	36.7	36.5	36.3	36.1
MPP Current (Impp)	[A]	10.01	9.95	9.87	9.79	9.7
Open Circuit Voltage (Voc)	[V]	42.8	42.8	42.7	42.7	42.7
Short Circuit Current (Isc)	[A]	10.82	10.8	10.79	10.78	10.77
Module Efficiency	[%]	21.4	21.1	20.8	20.6	20.3
Operating Temperature	[°C]	-40 ~ +90				
Maximum System Voltage	[V]	1,000				
Maximum Series Fuse Rating	[A]	20				
Power Tolerance	[%]	0 ~ +3				

[3] 1) STC (Standard Test Condition): Irradiance 1,000 W/m², module temperature 25 °C, AM 1.5.
2) The typical change in module effi ciency at 200 W/m² in relation to 1,000 W/m2 is -4.5 %.
3) Application Class: A, Safety Class: II.
4) The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Certifications and Warranty

Certifications	IEC 61215, IEC 61730-1/-2
	IEC TS 62804-1 (PID)
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Class C, Fire Class 1 (Italy)[1]
Product Warranty	25 Years
Output Warranty of Pmax	25 years linear warranty[2]

[1] In progress.
[2] 1) First 5 years: 95 %. 2) After 5th year. 0.4 % annual degradation. 3) 25 years: 87 %.

Electrical Properties (NOCT[4])

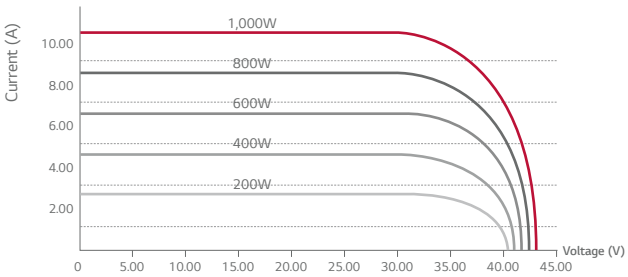
Model		LGXXXQ1C-A5				
Maximum Power (Pmax)	[W]	279	275	271	267	263
MPP Voltage (Vmpp)	[V]	36.9	36.6	36.4	36.2	36.0
MPP Current (Impp)	[A]	7.55	7.51	7.45	7.39	7.32
Open Circuit Voltage (Voc)	[V]	40.3	40.2	40.2	40.2	40.1
Short Circuit Current (Isc)	[A]	8.71	8.7	8.69	8.68	8.67

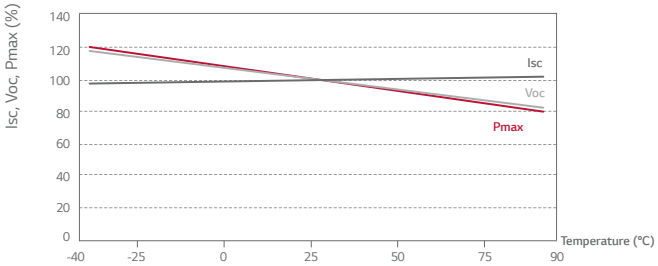
[4] NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s

Temperature Characteristics

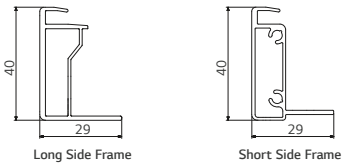
NOCT	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.04

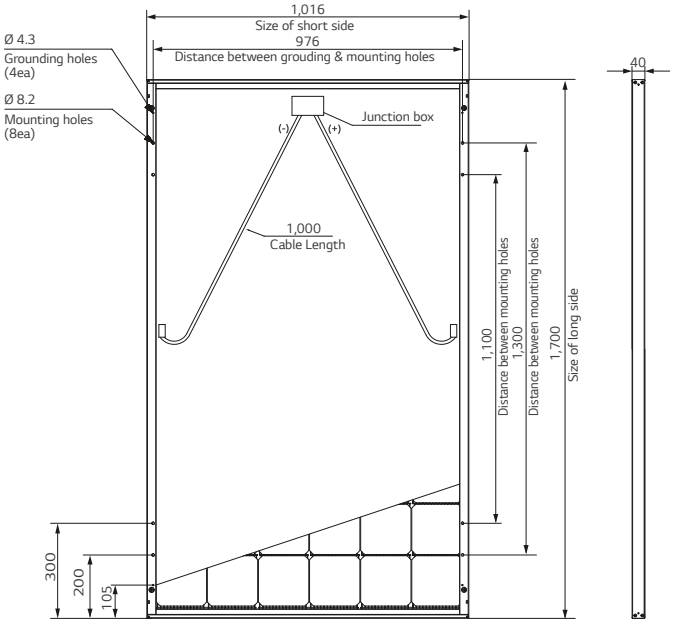
Characteristic Curves





Dimensions (mm)





The distance between the center of the mounting/grounding holes.

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