

HIGH EFFICIENT DESIGN

LG NeON[®]R Prime

UP TO 370 WATTS

**25 YEARS
PRODUCT WARRANTY**

**CONTACTLESS
CELLFRONT**



LG NeON[®] R PRIME – ELEGANCE AND PERFORMANCE

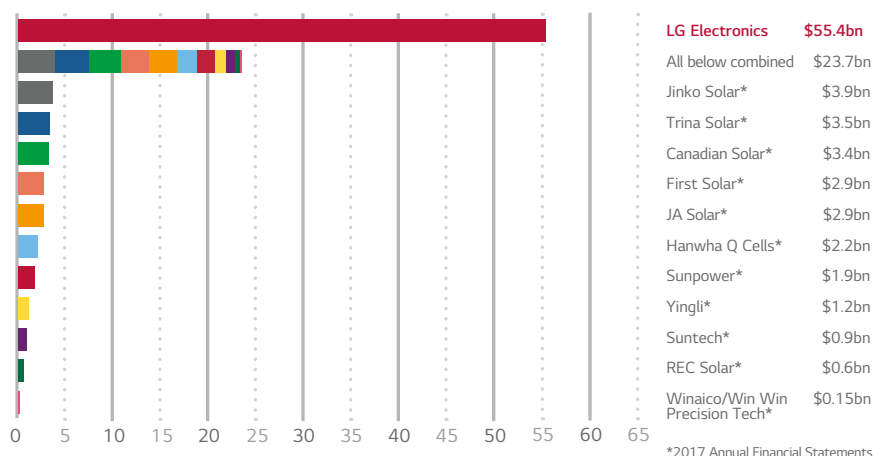
The LG NeON[®] R Prime module impresses with luxury design and is easy to integrate in any house roof. Thanks to its innovative cell technology, the LG NeON[®] R Prime delivers reliable performance of up to 370 Wp and a strong 25 year product- and linear performance warranty. This combination is a perfect harmony of elegance, performance and safety.

LOCAL GUARANTOR, GLOBAL SECURITY

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

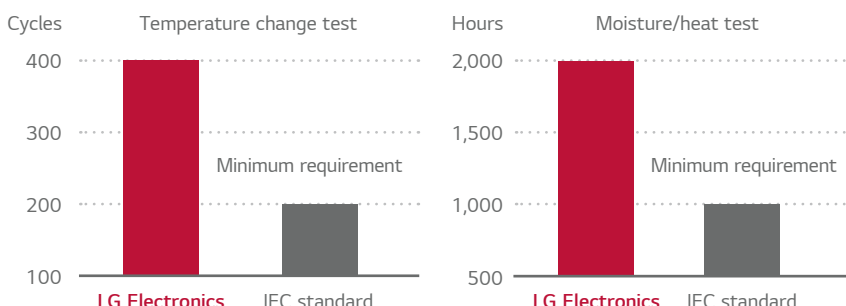
Good to know: LG Electronics is the warrantor for your solar modules.

The Warrantor's 2017 Global Sales in Billions of US Dollars



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 recommendation rates for the fourth time in a row.

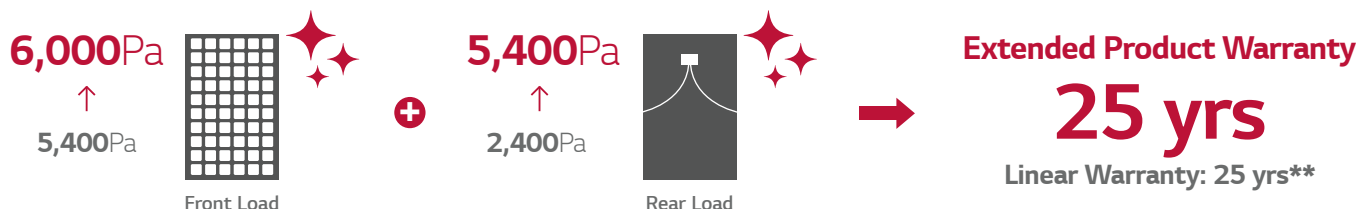


UNIQUE DESIGN FOR BEAUTIFUL ROOFS

The LG NeON[®] R Prime is a high-performance solar module in a "midnight dark" design. With black anodized frame, black back sheet and a the new cell structure without any connectors or electrodes on the cell front, this product meets every demand for elegance. Its sophisticated design will match beautifully with the look of your home and may even increase its value.

POWERFUL DESIGN, GUARANTEED ROBUST (LG STANDARD)*

With reinforced frame design, LG NeON[®] R Prime 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 93m/s, compare max. wind speed of Hurricane Katrina 2005 of max. 75 m/s).



* Module fully complies with the new IEC 61215-2: 2016 test procedures which confirmed 5,400 Pa front and 4,000 Pa rear side load. LG made internal tests to confirm 6,000 Pa front and 4,000 Pa rear side load also with new IEC 61215-2: 2016 norms. Further tests are on-going. Unless these tests turn out differently, LG confirms 6,000 Pa / 5,400 Pa.

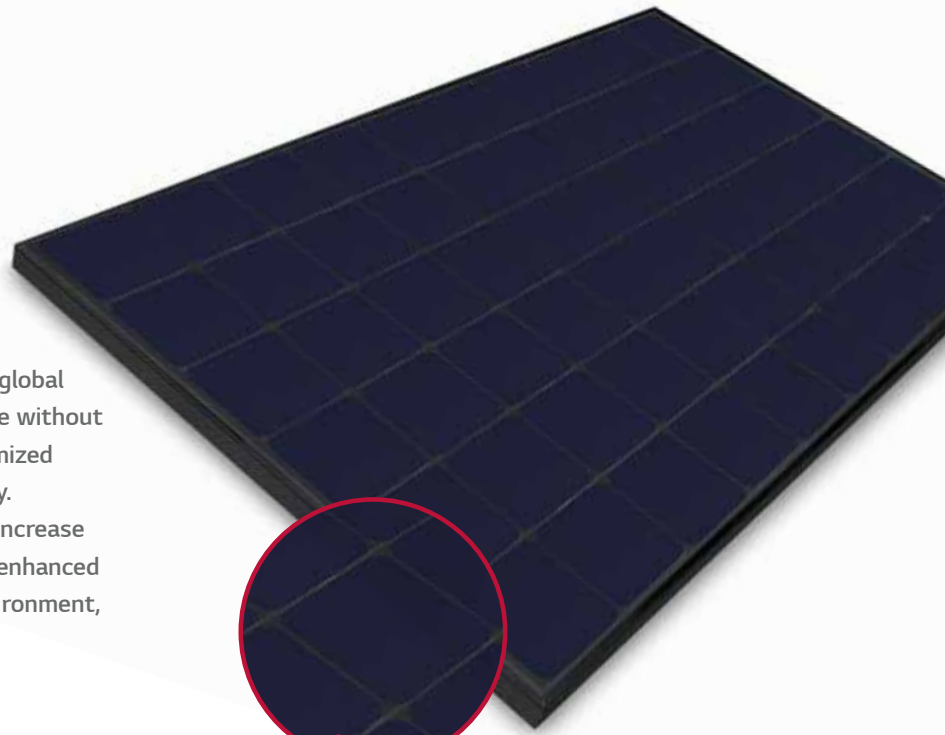
** 1) First year: min. 98 %. 2) From 2nd year: max. 0.3 % annual degradation. 3) 25 years: 90.8 %.

LG NeON[®]R Prime

LG370Q1K-V5 | LG365Q1K-V5
LG360Q1K-V5 | LG355Q1K-V5

60 cell

LG NeON[®]R Prime is new powerful product with global top level performance. Applied new cell structure without electrodes on the front, LG NeON[®]R Prime maximized the utilization of light and enhanced its reliability. LG NeON[®]R Prime 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.



No Metal on the Front



KEY FEATURES



Enhanced Performance Warranty

LG NeON[®]R Prime has an enhanced performance warranty. After 25 years, LG NeON[®]R Prime is guaranteed at least 90.8% of initial performance.



True sleek Roof

LG NeON[®]R Prime has been designed with aesthetics in mind: no electrode on the front creates an improved, modern aesthetic. LG NeON[®]R Prime can increase the value of a property with its modern design.



High Power Output

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



25 Years Product Warranty

As well as the enhanced performance warranty, LG has extended the product warranty of the LG NeON[®]R Prime 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.

¹ In progress.

Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	161.7 x 161.7 mm
Dimensions (L x W x H)	1,700 x 1,016 x 40 mm
Front Load*	6,000Pa
Rear Load*	5,400Pa
Weight	17.5 kg
Connector Type	MC4, MC
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,000 mm x 2 ea
Glass	2.8mm / Tempered Glass with AR Coating
Frame	Anodized Aluminium

* Manufacturer Declaration according to IEC 61215 : 2005 (Preliminary)
Mechanical Test Loads 5400 Pa / 4000 Pa based on IEC61215-2 : 2016
(Test Load = Design Load x Safety Factor (1.5))
Minor colour differences between individual cells of a module or between one module and another module are also not considered as a reason for warranty claims.

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/-2:2016 UL 1703
	OHSAS 18001
	IEC 61701:2012 Severity 6 (Salt mist corrosion test)
	IEC 62716:2013 (Ammonia corrosion test)
	ISO 9001, ISO 14001, ISO 50001
Module Fire Performance	Class C
Product Warranty	25 Years
Output Warranty of Pmax	25 years linear warranty ¹⁾

¹⁾ 1st year : 98%, 2) After 1st year : 0.3% annual degradation, 3) 90.8% for 25 years

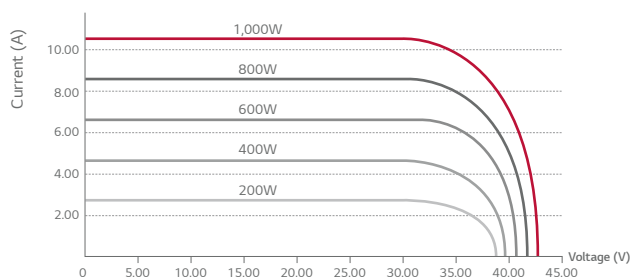
Temperature Characteristics

NMOT	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

Packaging Configuration

Number of Modules Per Pallet	[EA]	25
Number of Modules Per 40ft HQ Container	[EA]	650
Packaging Box Dimensions (L x W x H)	[mm]	1.750 x 1.120 x 1.221
Packaging Box Gross Weight	[kg]	473

Characteristic Curves



Electrical Properties (STC³⁾)

Model		LG370Q1K-V5	LG365Q1K-V5	LG360Q1K-V5	LG355Q1K-V5
Maximum Power (Pmax)	[W]	370	365	360	355
MPP Voltage (Vmpp)	[V]	37.2	36.9	36.7	36.4
MPP Current (Impp)	[A]	9.97	9.90	9.82	9.76
Open Circuit Voltage (Voc)	[V]	43.7	43.5	43.3	43.1
Short Circuit Current (Isc)	[A]	10.61	10.55	10.50	10.44
Module Efficiency	[%]	21.4	21.1	20.8	20.6
Operating Temperature	[°C]	-40 ~ +90			
Maximum System Voltage	[V]	1,000			
Maximum Series Fuse Rating	[A]	20			
Power Tolerance	[%]	0 ~ +3			

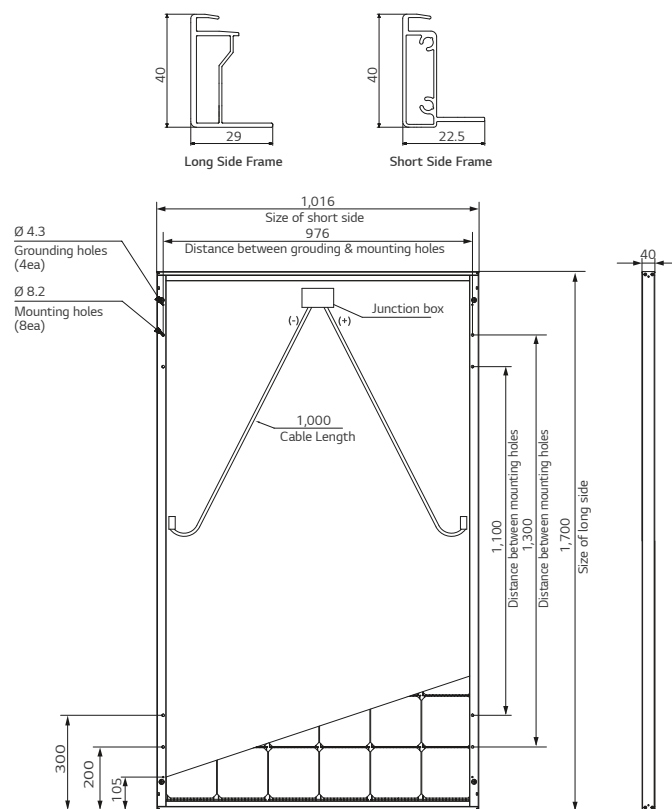
³⁾ 1) STC (Standard Test Condition): Irradiance 1,000 W/m², module temperature 25 °C, AM 1.5.

Electrical Properties (NMOT⁴)

Model		LG370Q1K-V5	LG365Q1K-V5	LG360Q1K-V5	LG355Q1K-V5
Maximum Power (Pmax)	[W]	279	275	271	267
MPP Voltage (Vmpp)	[V]	37.1	36.8	36.6	36.3
MPP Current (Impp)	[A]	7.53	7.47	7.41	7.36
Open Circuit Voltage (Voc)	[V]	41.2	41.0	40.8	40.6
Short Circuit Current (Isc)	[A]	8.55	8.50	8.46	8.41

⁴⁾ NMOT(Nominal Module Operating Temperature) : Irradiance 800 W/m², Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5

Dimensions (mm)



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

