

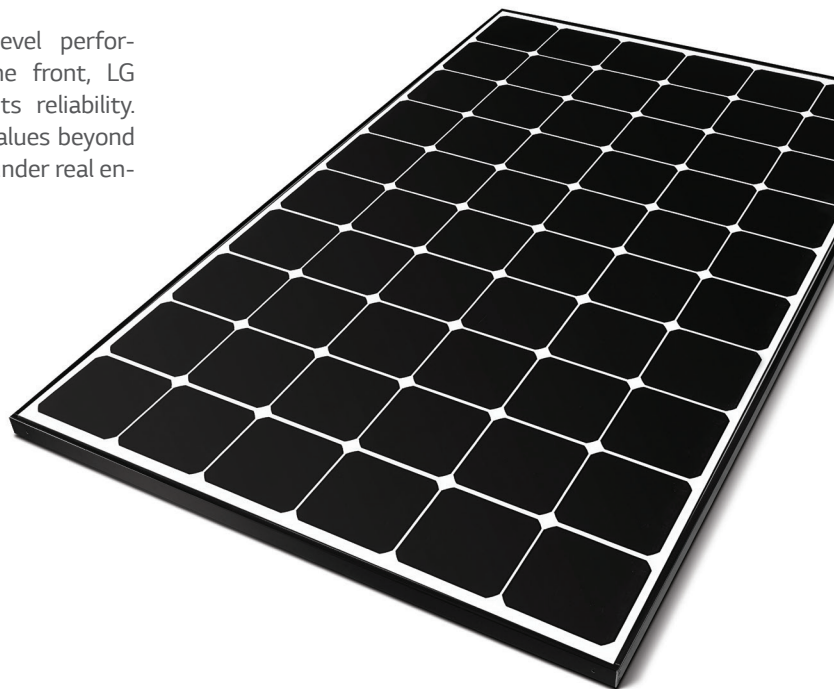
LG NeON[®] R

LG370Q1C-A5

60

370W

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.



Feature



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.



Extended Product Warranty

LG has extended the product warranty of the LG NeON[®] R to 25 years which is top level of the industry.



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.



High Power Output

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



Better Performance on a Sunny Day

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



Outstanding Durability

With its newly reinforced frame design, LG NeON[®] R can endure a front load up to 6000 Pa, and a rear load up to 5400 Pa.

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 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.



LG370Q1C-A5

Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
Dimensions (L x W x H)	1,700 x 1,016 x 40 mm 66.93 x 40.0 x 1.57 in
Front Load	6,000Pa / 125 psf*
Rear Load	5,400Pa / 113 psf*
Weight	18.5 kg / 40.79 lb
Connector Type	MC4 (MC), 05-8 (Renhe)
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,000 mm x 2 ea / 39.37 in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

* Please refer to the installation manual for the details

Certifications and Warranty

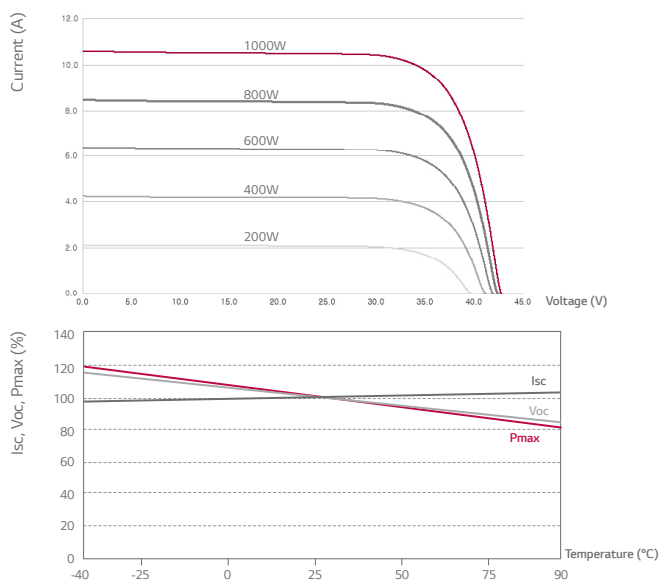
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Type 1 (UL 1703)
Fire Rating	Class C(ULC/ORD C1703, IEC 61730)
Product Warranty	25 years
Output Warranty of Pmax	Linear Warranty*

* 1) First 5 years : 95%, 2) After 5th year : 0.4%p annual degradation, 3) 25 years : 87.0%

Temperature Characteristics

NOCT*	[°C]	44 ± 3
Pmax	[%/°C]	-0.300
Voc	[%/°C]	-0.240
Isc	[%/°C]	0.037

Characteristic Curves



Electrical Properties (STC*)

Model	LG370Q1C-A5	
Maximum Power (Pmax)	[W]	370
MPP Voltage (Vmpp)	[V]	37.0
MPP Current (Impp)	[A]	10.01
Open Circuit Voltage (Voc)	[V]	42.8
Short Circuit Current (Isc)	[A]	10.82
Module Efficiency	[%]	21.4
Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1,000 (UL / IEC)
Maximum Series Fuse Rating	[A]	20
Power Tolerance	[%]	0 ~ +3

The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

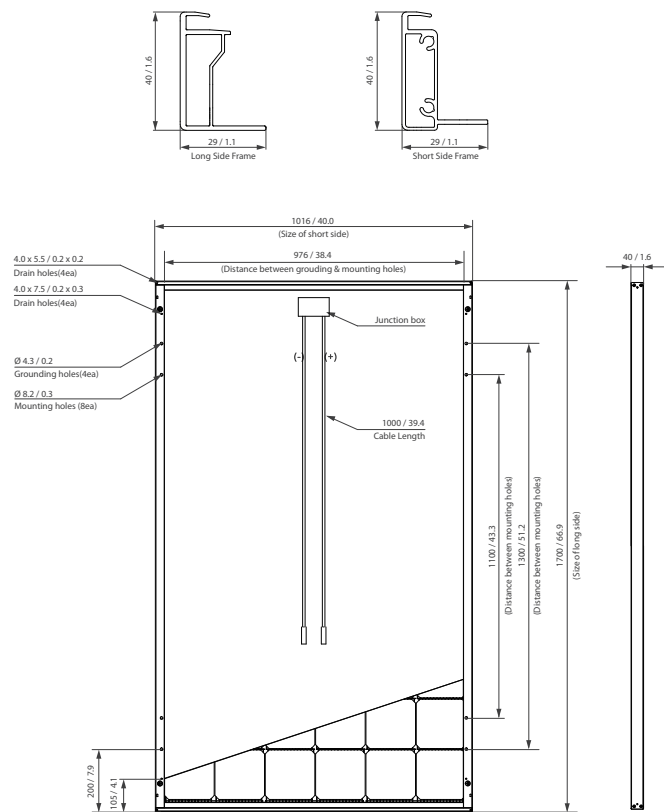
* STC (Standard Test Condition): Irradiance 1000 W/m², Cell Temperature 25 °C, AM 1.5

Electrical Properties (NOCT)

Model	LG370Q1C-A5	
Maximum Power (Pmax)	[W]	279
MPP Voltage (Vmpp)	[V]	36.9
MPP Current (Impp)	[A]	7.55
Open Circuit Voltage (Voc)	[V]	40.3
Short Circuit Current (Isc)	[A]	8.71

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

Dimensions (mm / inch)



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



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Product specifications are subject to change without notice.
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