# 

#### LG370Q1C-A5



## 370W

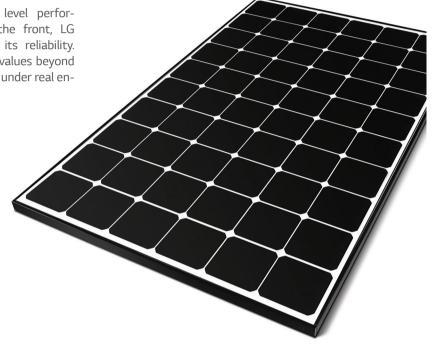
LG NeON® R is new powerful product with global top level performance. Applied new cell structure without electrodes on the front, LG NeON® R maximized the utilization of light and enhanced its reliability. LG NeON® R demonstrates LG's efforts to increase customer's values beyond efficiency. It features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











#### **Feature**



## **Enhanced Performance Warranty**

LG NeON® R has an enhanced performance

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 wast 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.



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## LG370Q1C-A5

#### **Mechanical Properties**

6 x 10
LG
Monocrystalline / N-type
161.7 x 161.7 mm / 6 inches
1,700 x 1,016 x 40 mm
66.93 x 40.0 x 1.57 in
6,000Pa / 125 psf*
5,400Pa / 113 psf*
18.5 kg / 40.79 lb
MC4 (MC), 05-8 (Renhe)
IP68 with 3 Bypass Diodes
1,000 mm x 2 ea / 39.37 in x 2 ea
High Transmission Tempered Glass
Anodized Aluminium

<sup>\*</sup> Please refer to the installation manual for the details

#### Certifications and Warranty

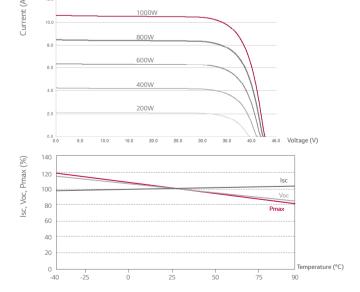
Certifications and warranty		
Certifications	IEC 61215, IEC 61730-1/-2	
	UL 1703	
	IEC 61701 (Salt mist corrosion test)	
	IEC 62716 (Ammonia corrosion test)	
	ISO 9001	
Module Fire Performance	Type 1 (UL 1703)	
Fire Rating	Class C(ULC/ORD C1703, IEC 61730)	
Product Warranty	25 years	
Output Warranty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

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

#### **Temperature Characteristics**

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

## Characteristic Curves



Solar Business Division LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Korea www.lg-solar.com

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 <b>~</b> +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

## **Electrical Properties (NOCT)**

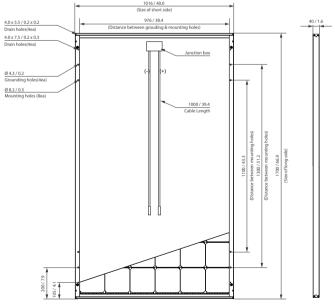
Model		LG370Q1C-A5
Maximum Power (Pmax)	[W]	279
MPP Voltage (Vmpp)	[V]	36.9
MPP Current (Impp)	[A]	7.55
Open Circuit Voltage (Voc)	[V]	40.3
Short Circuit Current (Isc)	[A]	8.71

<sup>\*</sup> NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C,

#### Dimensions (mm / inch)







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

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