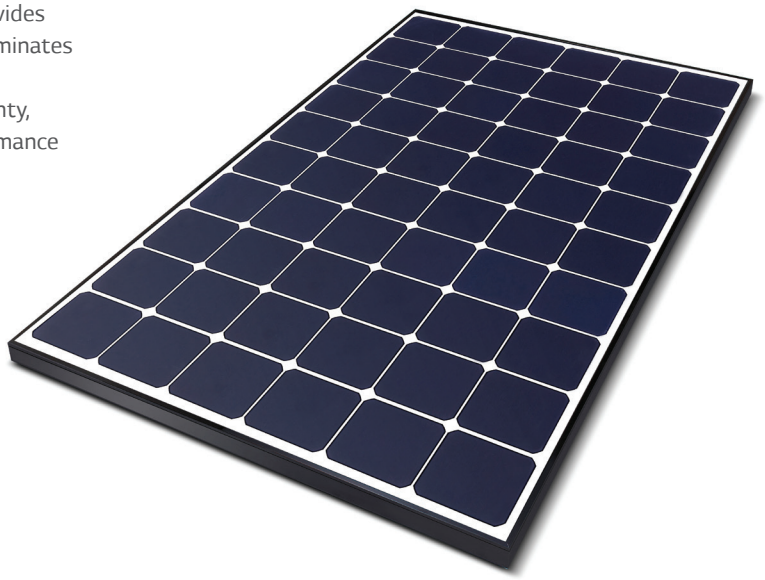
LG NeON®R

60

LG370Q1C-V5

370W

LG NeON® R is LG's highest efficiency module in the market and provides world-class performance. The unique, back-contact cell structure eliminates electrodes on the front which maximizes the collection of light and improves overall reliability. LG NeON® R features an enhanced warranty, improved aesthetics on residential roof-tops, and the highest performance and durability under real-world conditions.



25 YEAR PRODUCT • PERFORMANCE • LABOR WARRANTY

Features

Roof Aesthetics

LG NeON® R has been designed with aesthetics in mind: the lack of any electrodes on the front creates an improved, modern aesthetic.

25-Year Limited Product Warranty

The NeON® R is covered by a 25-year limited product warranty. In addition, up to $450 of labor costs will be covered in the rare case that a module needs to be repaired or replaced.

Solid Performance on Hot Days

LG NeON® R performs well on hot days due to its low temperature coefficient.

Enhanced Performance Warranty

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

When you go solar, ask for the brand you can trust: LG Solar

About LG Electronics USA, Inc.

LG Electronics is a global leader in electronic products in the clean energy markets by offering solar PV panels and energy storage systems. 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's leadership and innovation in the solar industry.

LG Life's Good

LG NeON®R

LG370Q1C-V5

General Data

Cell Properties (Material/Type)	Monocrystalline/N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Module Dimensions (L x W x H)	1,700mm x 1,016mm x 40mm
Weight	17.5 kg
Glass (Thickness/Material)	2.8mm/Tempered Glass with High Transmission Anti-Reflective Coating
Backsheet (Color)	White
Frame (Material)	Anodized Aluminium
Junction Box (Protection Degree)	IP68 with 3 Bypass Diodes
Cables (Length)	1,000mm x 2EA
Connector (Type/Maker)	MC 4/MC

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/2:2016, UL 1703
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701:2012 Severity 6
Ammonia Corrosion Test	IEC 62716:2013
Module Fire Performance	Type 1
Fire Rating	Class C (UL 790)
Product Warranty	25 Year Limited
Output Warranty of Pmax	Linear Warranty*

*Improved: 1st year 98%, from 2-24th year: 0.3%/year down, 90.8% at year 25

Temperature Characteristics

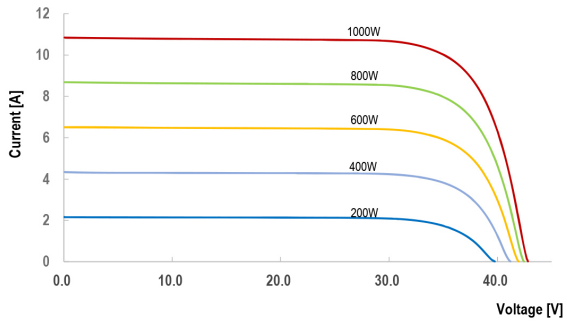
NMOT*	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

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

Electrical Properties (NMOT)

Model		LG370Q1C-V5
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

I-V Curves



Electrical Properties (STC*)

Model		LG370Q1C-V5
Maximum Power (Pmax)	[W]	370
MPP Voltage (Vmpp)	[V]	37.0
MPP Current (Impp)	[A]	10.01
Open Circuit Voltage (Voc,± 5%)	[V]	42.8
Short Circuit Current (Isc,± 5%)	[A]	10.82
Module Efficiency	[%]	21.4
Power Tolerance	[%]	0 ~ +3

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

Operating Conditions

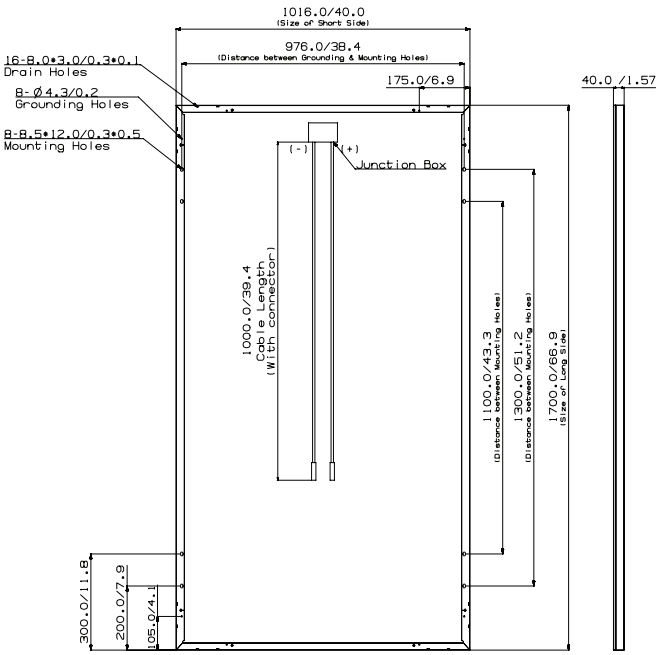
Operating Temperature	[°C]	-40 ~+90
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa/psf]	5,400/113
Mechanical Test Load (Rear)	[Pa/psf]	4,000/83.5

*Test Load = Design x Safety Factor (1.5)

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

Dimensions (mm/inch)



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LG Electronics USA, Inc.
Solar Business Division
2000 Millbrook Drive
Lincolnshire, IL 60069

www.lg-solar.com

Product specifications are subject to change without notice.
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877-251-2690