LG NeON®R

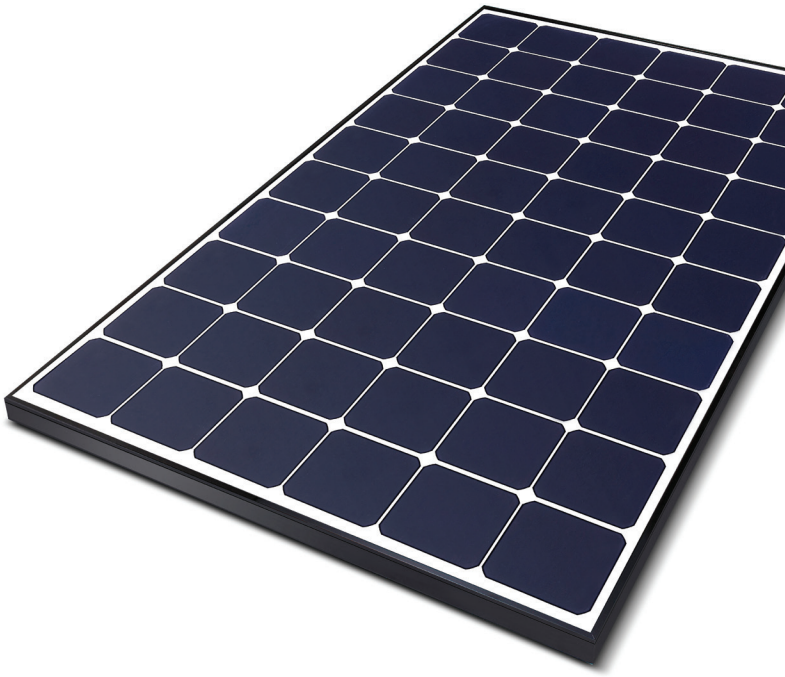
LG365Q1C-V5 | LG370Q1C-V5 | LG375Q1C-V5 | LG380Q1C-V5

60

365W | 370W | 375W | 380W

LG NeON® R is powerful solar module that provides world-class performance. A new cell structure that eliminates electrodes on the front maximizes the utilization of light and enhances reliability.

LG NeON® R is a result of LG's efforts to increase customer's values beyond efficiency. LG NeON® R features enhanced durability, performance under real-world conditions, an enhanced warranty and aesthetic design suitable for roofs.



25 YEAR
PRODUCT • PERFORMANCE • LABOR
WARRANTY

Features

Aesthetic Roof

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

Extended Product Warranty

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

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.

More generation per square meter

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

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

About LG Electronics

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

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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 AR 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 (UL 1703)
Fire Rating	Class C (UL 790, ULC / ORD C 1703)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

*Improved: 1st year 98%, from 2-24th year: 0.3%/year down, at 25th year: 90.8%
**LG380Q1C-V5 model has UL 1703 certification only

Temperature Characteristics

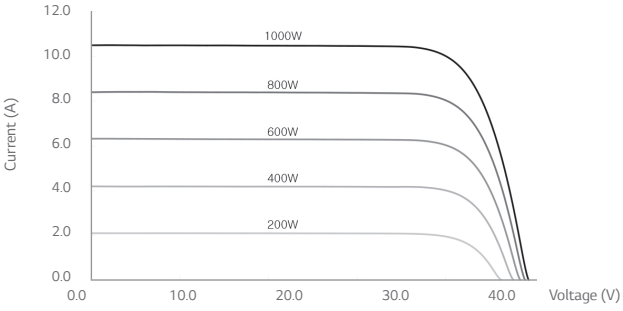
NMOT*	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

*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		LG365Q1C-V5	LG370Q1C-V5	LG375Q1C-V5	LG380Q1C-V5
Maximum Power (Pmax)	[W]	275	279	282	286
MPP Voltage (Vmpp)	[V]	36.6	36.9	37.1	37.3
MPP Current (Impp)	[A]	7.51	7.55	7.61	7.67
Open Circuit Voltage (Voc)	[V]	40.2	40.3	40.3	40.3
Short Circuit Current (Isc)	[A]	8.70	8.71	8.72	8.73

I-V Curves



Electrical Properties (STC*)

Model		LG365Q1C-V5	LG370Q1C-V5	LG375Q1C-V5	LG380Q1C-V5
Maximum Power (Pmax)	[W]	365	370	375	380
MPP Voltage (Vmpp)	[V]	36.7	37.0	37.2	37.4
MPP Current (Impp)	[A]	9.95	10.01	10.09	10.17
Open Circuit Voltage (Voc,± 5%)	[V]	42.8	42.8	42.8	42.9
Short Circuit Current (Isc,± 5%)	[A]	10.80	10.82	10.83	10.84
Module Efficiency	[%]	21.1	21.4	21.7	22.0
Power Tolerance	[%]	0 ~ +3			

*STC (Standard Test Condition): Irradiance 1000 W/m², Cell temperature 25°C, AM 1.5
**Measure Tolerance: ± 3%

Operating Conditions

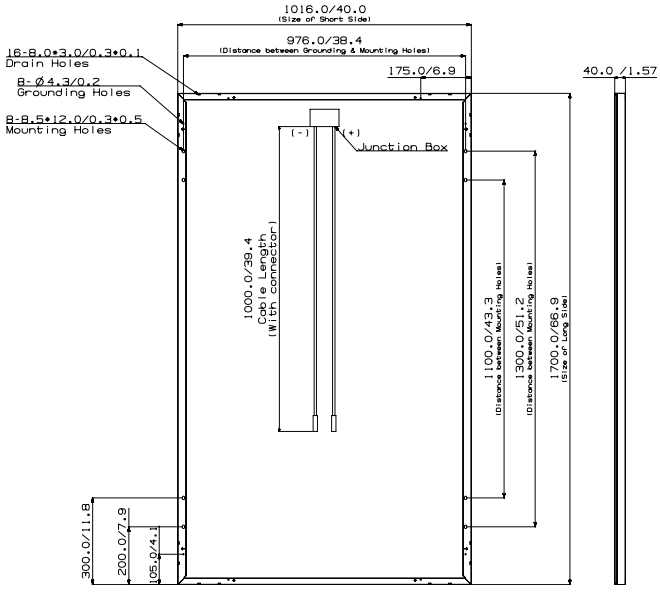
Operating Temperature	[°C]	-40 ~+90
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa/psf]	5,400 / 113
Mechanical Test Load (Rear)	[Pa/psf]	4,000 / 83.5

Mechanical Test Load 5,400Pa/4,000Pa based on IEC 61215-2 : 2016
(Test Load = Design Load 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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Product specifications are subject to change without notice.
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