

# LG NeON<sup>®</sup> R

LG365Q1C-A5 | LG360Q1C-A5 | LG355Q1C-A5 | LG350Q1C-A5

60

## 365W | 360W | 355W | 350W

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



In progress



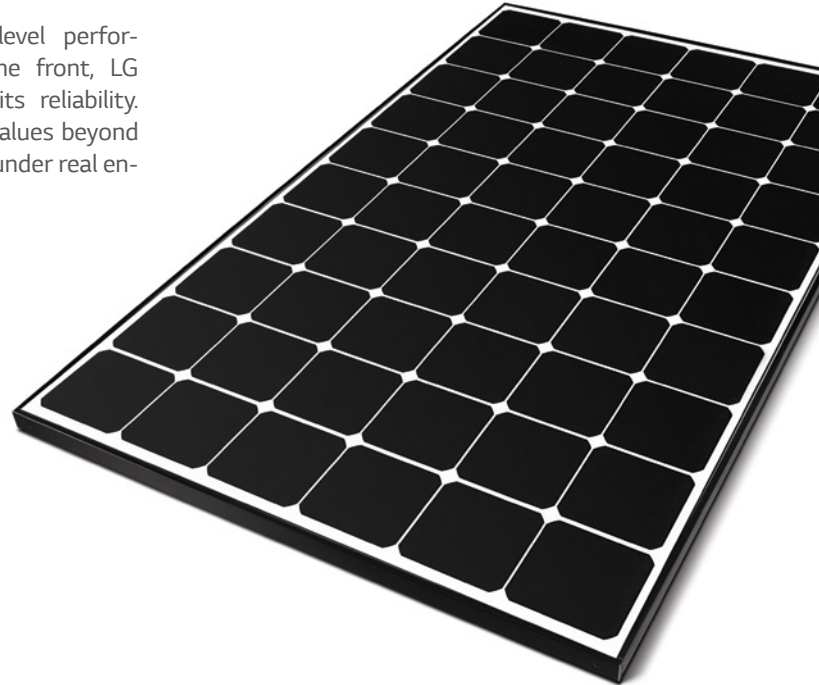
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In progress



In progress



## Feature



### Enhanced Performance Warranty

LG NeON<sup>®</sup> R has an enhanced performance warranty. After 25 years, LG NeON<sup>®</sup> R is guaranteed at least 87.6% of initial performance.



### Extended Product Warranty

LG has extended the product warranty of the LG NeON<sup>®</sup> R to 25 years which is top level of the industry.



### Aesthetic Roof

LG NeON<sup>®</sup> R has been designed with aesthetics in mind: no electrode on the front that makes new product more aesthetic. LG NeON<sup>®</sup> R can increase the value of a property with its modern design.



### High Power Output

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



### Better Performance on a Sunny Day

LG NeON<sup>®</sup> R now performs better on a sunny days thanks to its improved temperature coefficient.



### Outstanding Durability

With its newly reinforced frame design, LG NeON<sup>®</sup> 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<sup>®</sup> series to the market, which is now available in 32 countries. The NeON<sup>®</sup> (previous MonoX<sup>®</sup> NeON), NeON<sup>®</sup>2, NeON<sup>®</sup>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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### 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)
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

### 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)
Fire Rating	Class C
Product Warranty	25 years
Output Warranty of Pmax	Linear Warranty*

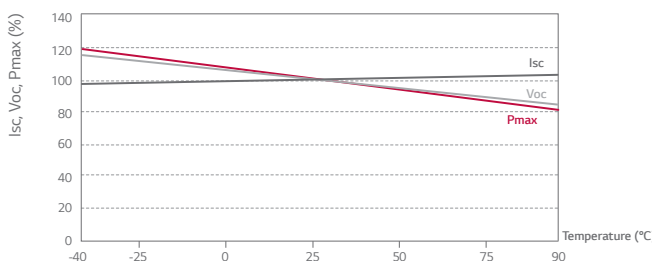
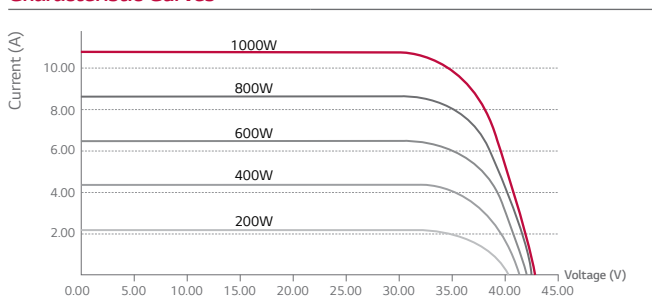
\* 1) First 5 years : 95%, 2) After 5th year : 0.4%p annual degradation, 3) 25 years : 87.0%

### Temperature Characteristics

NOCT*	[ °C ]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.04

\* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

### Characteristic Curves



### Electrical Properties (STC\*)

Model		LG365Q1C-A5	LG360Q1C-A5	LG355Q1C-A5	LG350Q1C-A5
Maximum Power (Pmax)	[W]	365	360	355	350
MPP Voltage (Vmpp)	[V]	36.7	36.5	36.3	36.1
MPP Current (Impp)	[A]	9.95	9.87	9.79	9.70
Open Circuit Voltage (Voc)	[V]	42.8	42.7	42.7	42.7
Short Circuit Current (Isc)	[A]	10.80	10.79	10.78	10.77
Module Efficiency	[%]	21.1	20.8	20.6	20.3
Operating Temperature	[°C]	-40 ~ +90			
Maximum System Voltage	[V]	1,000 (UL / IEC)			
Maximum Series Fuse Rating	[A]	20			
Power Tolerance	[%]	0 ~ +3			

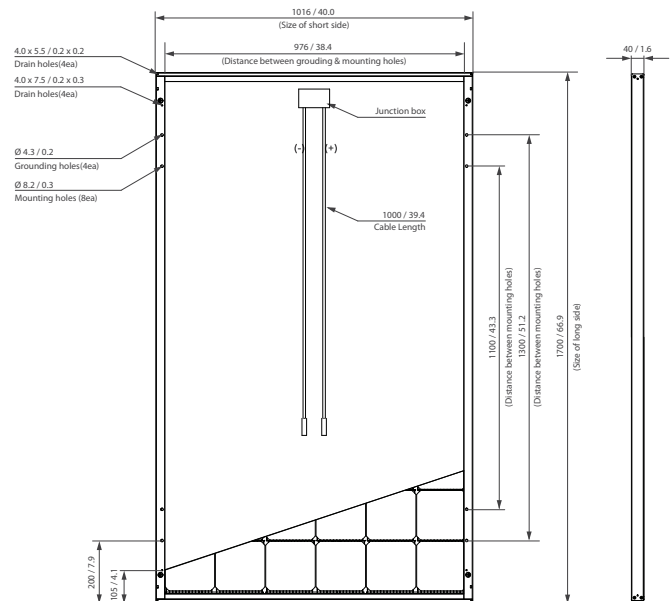
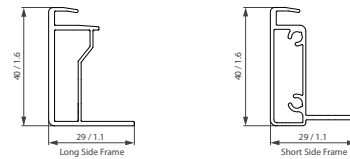
\* STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, Module Temperature 25 °C, AM 1.5

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

### Electrical Properties (NOCT)

Model		LG365Q1C-A5	LG360Q1C-A5	LG355Q1C-A5	LG350Q1C-A5
Maximum Power (Pmax)	[W]	275	271	267	263
MPP Voltage (Vmpp)	[V]	36.6	36.4	36.2	36.0
MPP Current (Impp)	[A]	7.51	7.45	7.39	7.32
Open Circuit Voltage (Voc)	[V]	40.2	40.2	40.2	40.1
Short Circuit Current (Isc)	[A]	8.70	8.69	8.68	8.67

### Dimensions (mm / inch)



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

