

LG NeON[®]R

LG350Q1C-A5

LG355Q1C-A5

LG360Q1C-A5

LG365Q1C-A5

60 cell

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



Enhanced Warranties

LG offers a 25-year product warranty for LG NeON[®]R, including labor, in addition to an enhanced performance warranty. After 25 years, LG NeON[®]R is guaranteed to produce at least 88.4% of its initial power output.



High Power Output

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



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.



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.



Improved Performance on Sunny Days

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



Near Zero LID (Light Induced Degradation)

The n-type cells used in LG NeON[®]R have almost no boron. This leads to less LID right after installation.

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.

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)	1700 x 1016 x 40 mm
	66.93 x 40.0 x 1.57 inch
Front Load	6,000Pa / 125 psf
Rear Load	5,400Pa / 113 psf
Weight	18.5 kg / 40.79 lb
Connector Type	MC4
Junction Box	IP68 with 3 Bypass Diodes
Length of Cables	1000 mm x 2 ea
Glass	Tempered Glass with AR Coating
Frame	Anodized Aluminium

Certifications and Warranty

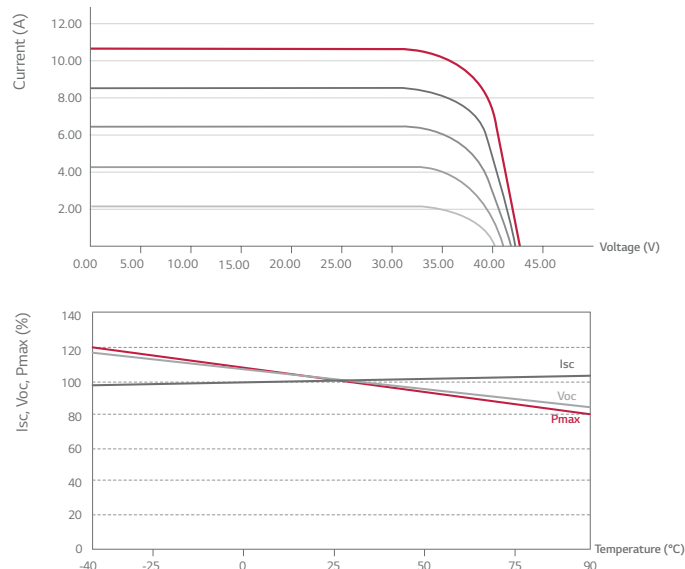
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance (USA)	Type 1
Fire Resistance Class (CANADA)	Class C (ULC / ORD C1703)
Product Warranty	25 years
Output Warranty of Pmax	Linear warranty**

** 1) First 5 years: 95%, 2) After 5th year: 0.4% annual degradation, 3) 25 years: 88.4%

Temperature Characteristics

NOCT	44 ± 3°C
Pmpp	-0.30%/°C
Voc	-0.24%/°C
Isc	0.04%/°C

Characteristic Curves



Electrical Properties (STC*)

Module	350	355	360	365
Maximum Power (Pmax)	350	355	360	365
MPP Voltage (Vmpp)	36.1	36.3	36.5	36.7
MPP Current (Impp)	9.70	9.79	9.87	9.95
Open Circuit Voltage (Voc)	42.7	42.7	42.7	42.8
Short Circuit Current (Isc)	10.77	10.78	10.79	10.8
Module Efficiency	20.3	20.6	20.8	21.1
Operating Temperature	-40 ~ +90			
Maximum System Voltage	1000			
Maximum Series Fuse Rating	20			
Power Tolerance (%)	0 ~ +3			

* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5

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

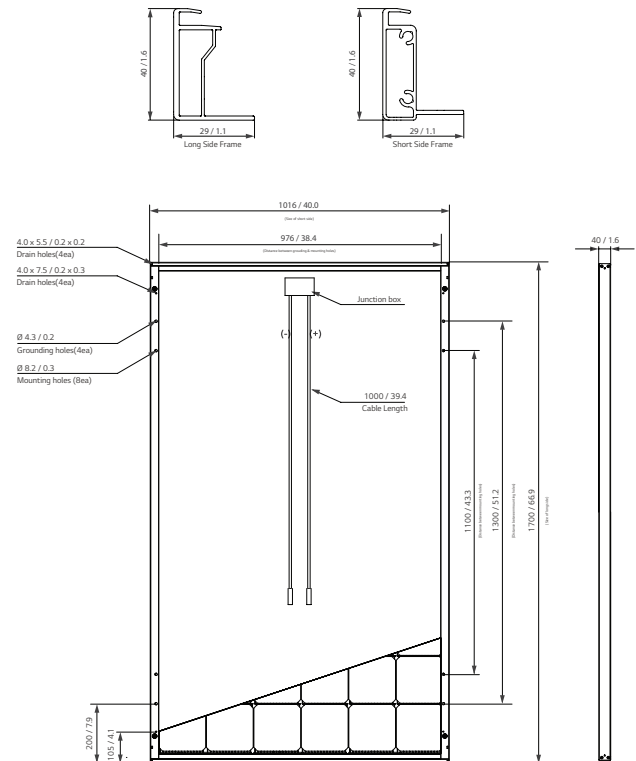
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.

Electrical Properties (NOCT*)

Module	350	355	360	365
Maximum Power (Pmax)	263	267	271	275
MPP Voltage (Vmpp)	36.0	36.2	36.4	36.6
MPP Current (Impp)	7.32	7.39	7.45	7.51
Open Circuit Voltage (Voc)	40.1	40.2	40.2	40.2
Short Circuit Current (Isc)	8.67	8.68	8.69	8.70

* 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.



LG Electronics Inc.
Solar Business Division
2000 Millbrook Drive
Lincolnshire, IL 60069
www.lg-solar.com

Product specifications are subject to change without notice.
DS_LG350-365Q1C-A5_US_Ver01.pdf

© 2019 LG Electronics. All rights reserved.

