

LG NeON[®] R

LG365Q1C-A5

LG360Q1C-A5

LG355Q1C-A5

LG350Q1C-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 Performance Warranty

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 space.



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.



Better Performance on a Sunny Day

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 (Light Induced Degradation) right after installation.

About LG Electronics

LG Electronics is a global player who has been committed to expanding its capacity, based on solar energy business as its future growth engine. We embarked on a solar energy source research program in 1985, supported by LG Group's rich experience in semi-conductor, LCD, chemistry, and materials industry. We successfully released first Mono X[®] series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, NeON[™] (previously known as Mono X[®] NeON) & 2015 NeON2 with CELLO technology won "Intersolar Award", which proved LG is the leader of innovation in the 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	6000Pa
Rear Load	5400Pa
Weight	18.5 kg
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

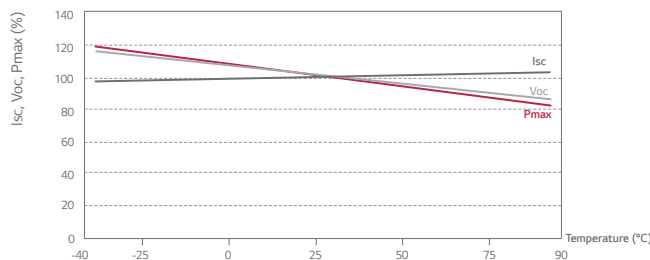
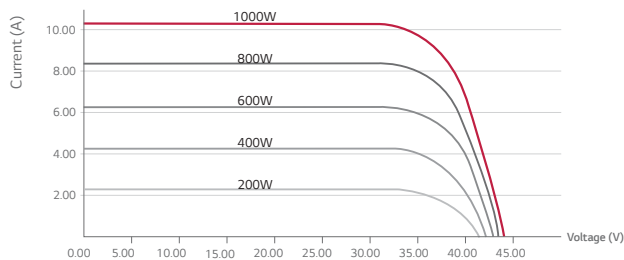
Certifications	IEC 61215, IEC 61730-1/-2 UL 1703 IEC 61701 (Salt mist corrosion test) IEC 62716 (Ammonia corrosion test) ISO 9001
Module Fire Performance (USA)	Type 1
Fire Resistance Class (CANADA)	Class C (ULC / ORD C1703)
Product Warranty	25 years
Output Warranty of Pmax	Linear warranty**

**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	365	360	355	350
Maximum Power (Pmax)	365	360	355	350
MPP Voltage (Vmpp)	36.7	36.5	36.3	36.1
MPP Current (Impp)	9.95	9.87	9.79	9.70
Open Circuit Voltage (Voc)	42.8	42.7	42.7	42.7
Short Circuit Current (Isc)	10.8	10.79	10.78	10.77
Module Efficiency	21.1	20.8	20.6	20.3
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.

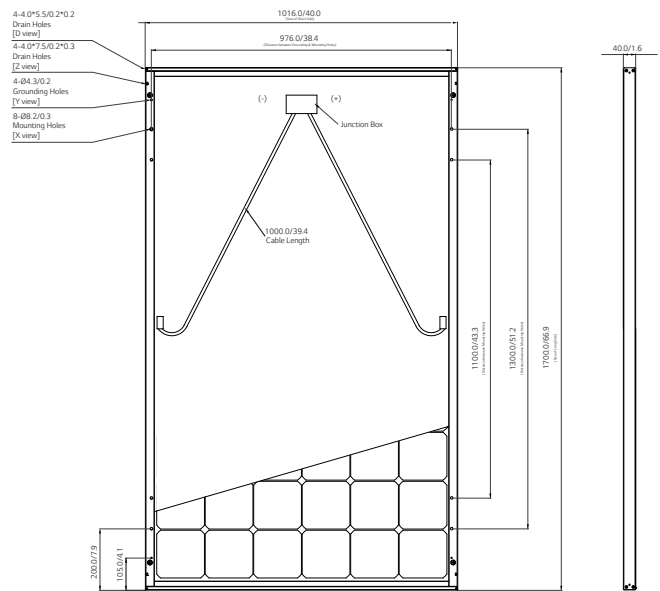
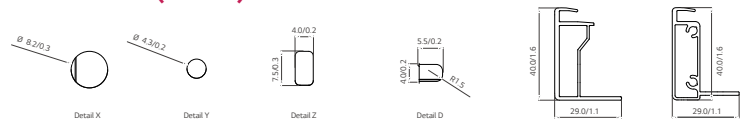
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.

Electrical Properties (NOCT*)

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

* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s

Dimensions (mm/in)



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

