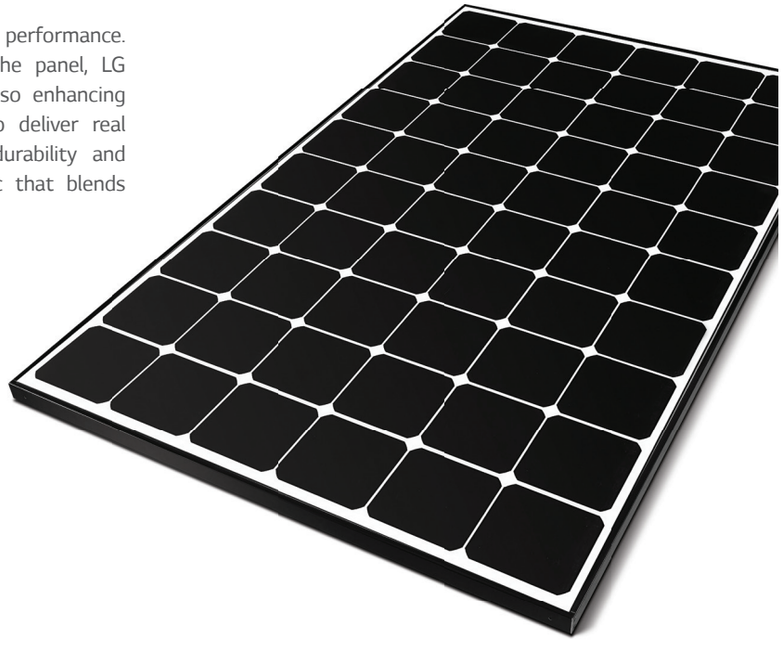
LG NeON® R

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

60

365W | 360W | 355W | 350W

LG NeON® R is powerful new solar product with world-class performance. Employing a new electrode-free cell structure on the front of the panel, LG NeON® R maximizes the utilization of the available light while also enhancing reliability. LG NeON® R demonstrates LG's ongoing dedication to deliver real value: It combines an industry-leading warranty with superior durability and performance under real-world conditions, plus a modern aesthetic that blends seamlessly with virtually any roof.



Features

25-Year Warranty

LG offers the longest warranty in the industry, covering the NeON® R for 25 years. At that time, the panel is guaranteed to deliver at least 87% of its original performance.

High Power Output

Expertly engineered for enhanced power output, the LG NeON® R assures exceptional results even in more compact installations with reduced surface area.

Roof-Friendly Design

LG NeON® R has been designed with curb appeal in mind. By removing the electrodes from the visible side, LG has created a cleaner look that won't detract from the beauty of your home.

Outstanding Durability

With its newly reinforced frame, LG NeON® R can handle an impressive front load of up to 6,000 Pa and a rear load up to 5,400 Pa.

Better Performance on Sunny Days

The panel now offers an improved temperature coefficient, so it works more efficiently than before even on hot, sunny days.

About LG Electronics

LG is a global icon of excellence in electronics, with top market share in a variety of product categories. The company began its solar research and development in 1985, supported by LG's vast experience in the semiconductor, LCD and chemical industries. In 2010, LG Solar released its first series, the MonoX®, to great success, now available in 32 countries. The NeON® (previously known as MonoX® NeON), NeON® 2 and NeON® 2 BiFacial won the Intersolar AWARD in 2013, 2015 and 2016, demonstrating LG Solar's continuing commitment to innovation.

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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), 05-8 (Renhe)
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

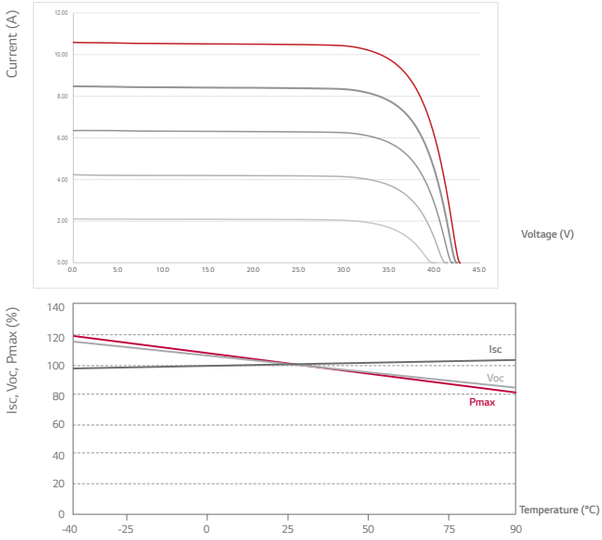
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Type 1 (UL 1703)
Fire Rating	Class C(ULC/ORD C1703, IEC 61730)
Product Warranty	25 years
Output Warranty of Pmax	Linear Warranty*

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

Temperature Characteristics

NOCT*	[℃]	44 ± 3
Pmax	[%/℃]	-0.300
Voc	[%/℃]	-0.240
Isc	[%/℃]	0.037

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	[℃]	-40 ~ +90			
Maximum System Voltage	[V]	1,000 (UL / IEC)			
Maximum Series Fuse Rating	[A]	20			
Power Tolerance	[%]	0 ~ +3			

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

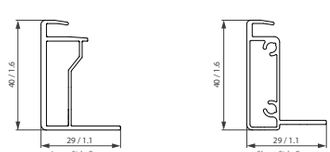
* STC (Standard Test Condition): Irradiance 1000 W/m², Cell Temperature 25 °C, AM 1.5

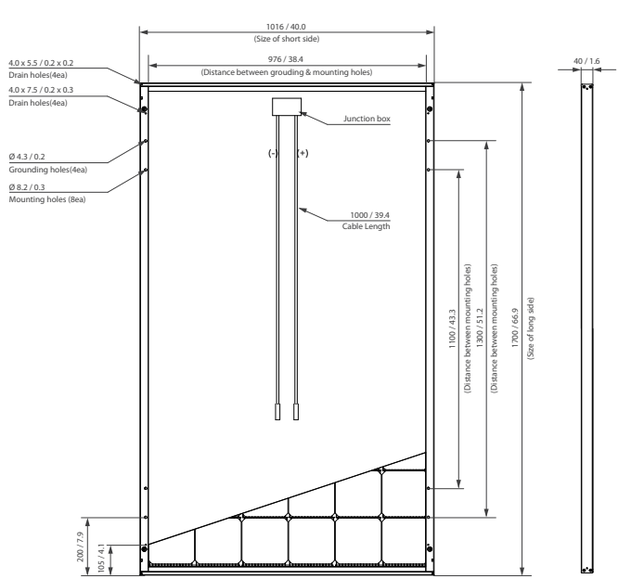
Electrical Properties (NOCT)

Model		LG365Q1C-A5	LG360Q1C-A5	LG355Q1C-A5	LG350Q1C-A5
Maximum Power (Pmax)	[W]	275	271	267	264
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

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

Dimensions (mm / inch)





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

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Product specifications are subject to change without notice.
DS-Q1-60-C-G-F-EN-70630