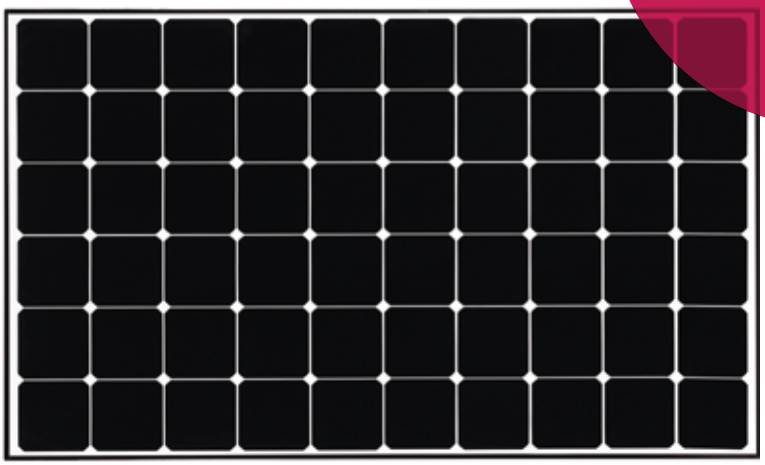
LG
Life's Good

Innovation for
a Better Life



LG NeON® R

LG355Q1C-A5

60 cell

The LG NeON® R is a high-power luxury solar panel featuring newly developed Back Contact Technology™. The advanced cell structure locates all of the module's electrodes on the back side of the panel, minimizing power loss and boosting efficiency.

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 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, NeONTM (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.

LG NeON® R

LG355Q1C-A5

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

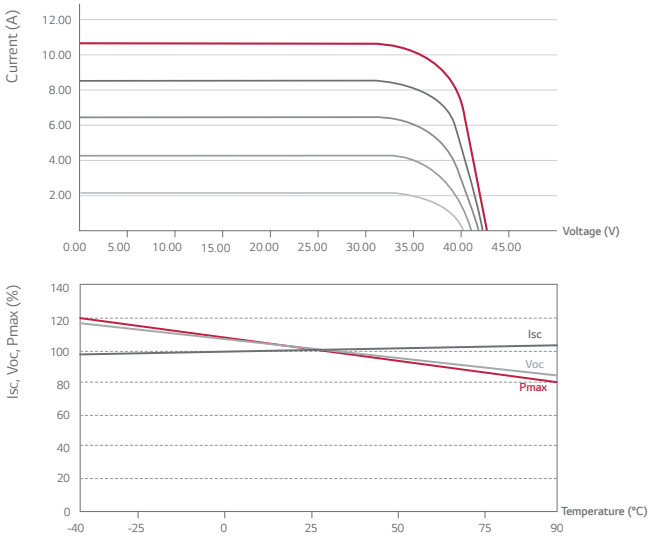
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance (USA)	Type 1
Fire Resistance Class (CANADA)	Class C (ULC / ORD C1703)
Product Warranty	25 years
Output Warranty of Pmax	Linear warranty**

**1) 1st year : 98%, 2) After 1st 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	**355**
Maximum Power (Pmax)	355
MPP Voltage (Vmpp)	36.3
MPP Current (Impp)	9.79
Open Circuit Voltage (Voc)	42.7
Short Circuit Current (Isc)	10.78
Module Efficiency	20.6
Operating Temperature	-40 ~ +90
Maximum System Voltage	1000
Maximum Series Fuse Rating	20
Power Tolerance (%)	0 ~ +3

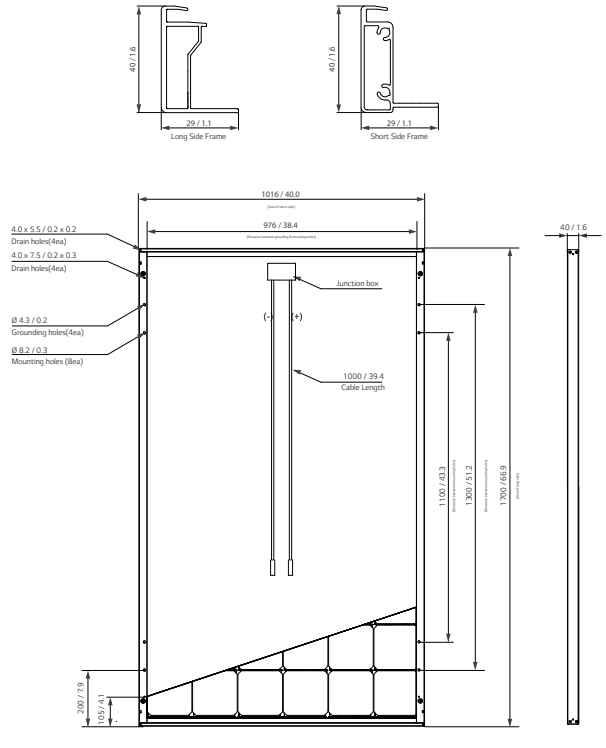
* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.

Electrical Properties (NOCT*)

Module	**355**
Maximum Power (Pmax)	267
MPP Voltage (Vmpp)	36.2
MPP Current (Impp)	7.39
Open Circuit Voltage (Voc)	40.2
Short Circuit Current (Isc)	8.68

* 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.

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Product specifications are subject to change without notice.
DS-T1-72-W-G-P-EN-60630

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