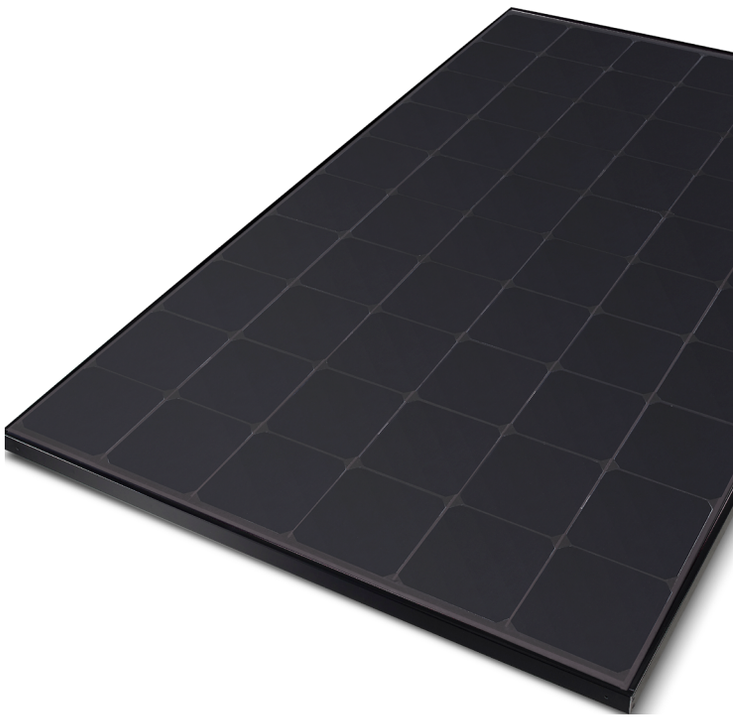
LG NeON® R Prime

60

370W I 365W I 360W I 355W I 350W

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



Feature

Aesthetic Roof

LG NeON® R Prime has been designed with aesthetics in mind: the lack of any electrodes on the front creates an improved, modern aesthetic.

Extended Product Warranty

LG provides the product warranty of NeON® R Primeto an industry-leading 25 years.

Enhanced Performance Waranty

LG NeON® R Prime has an enhanced performance warranty. After 25 years, NeON® R Prime is guaranteed to perform at minimum 90.8% of initial performance.

More generation per square meter

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

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® 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 Solar's lead, innovation and commitment to the industry.

LG NeON®R Prime

LG370Q1K-V5 | LG365Q1K-V5 | LG360Q1K-V5 | LG355Q1K-V5 | LG350Q1K-V5

General Data

Cell Properties(Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Module Dimensions(L x W x H)	1,700mm x 1,016mm x 40mm
Weight	17.5 kg
Glass(Thickness / Material)	2.8mm / Tempered Glass with AR Coating
Backsheet(Color)	Black
Frame(Material)	Anodized Aluminium
Junction Box(Protection Degree)	IP68 with 3 Bypass Diodes
Cables(Length)	1,000mm x 2EA
Connector(Type / Maker)	MC4 / MC

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/-2:2016
	UL 1703
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701:2012 Severity 6
Ammonia Corrosion Test	IEC 62716:2013
Module Fire Performance	Type 2 (UL 1703)
Fire Rating	Class C (UL 790, ULC/ORD C 1703)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

* 1) 1st year : 98%, 2) After 1st year : 0.3% annual degradation, 3) 90.8% for 25years

Temperature Characteristics

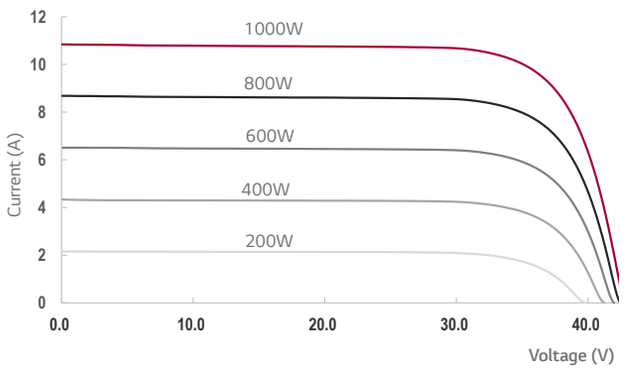
NMOT*	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

* NMOT(Nominal Module Operating Temperature) : Irradiance 800 W/m², Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

Model		LG370Q1K-V5	LG365Q1K-V5	LG360Q1K-V5	LG355Q1K-V5	LG350Q1K-V5
Maximum Power (Pmax)	[W]	279	275	271	267	264
MPP Voltage (Vmpp)	[V]	37.1	36.8	36.6	36.3	36.1
MPP Current (Impp)	[A]	7.53	7.47	7.41	7.36	7.30
Open Circuit Voltage (Voc)	[V]	41.2	41.0	40.8	40.6	40.4
Short Circuit Current (Isc)	[A]	8.55	8.50	8.46	8.41	8.37

I-V Curves



Electrical Properties (STC*)

Model		LG370Q1K-V5	LG365Q1K-V5	LG360Q1K-V5	LG355Q1K-V5	LG350Q1K-V5
Maximum Power (Pmax)	[W]	370	365	360	355	350
MPP Voltage (Vmpp)	[V]	37.2	36.9	36.7	36.4	36.2
MPP Current (Impp)	[A]	9.97	9.90	9.82	9.76	9.68
Open Circuit Voltage (Voc, ±5%)	[V]	43.7	43.5	43.3	43.1	42.9
Short Circuit Current (Isc, ±5%)	[A]	10.61	10.55	10.50	10.44	10.39
Module Efficiency	[%]	21.4	21.1	20.8	20.6	20.3
Power Tolerance	[%]	0 ~ +3				

* STC (Standard Test Condition): Irradiance 1000 W/m², Cell Temperature 25 °C, AM 1.5,
** Measurement Tolerance : ±3%

Operating Conditions

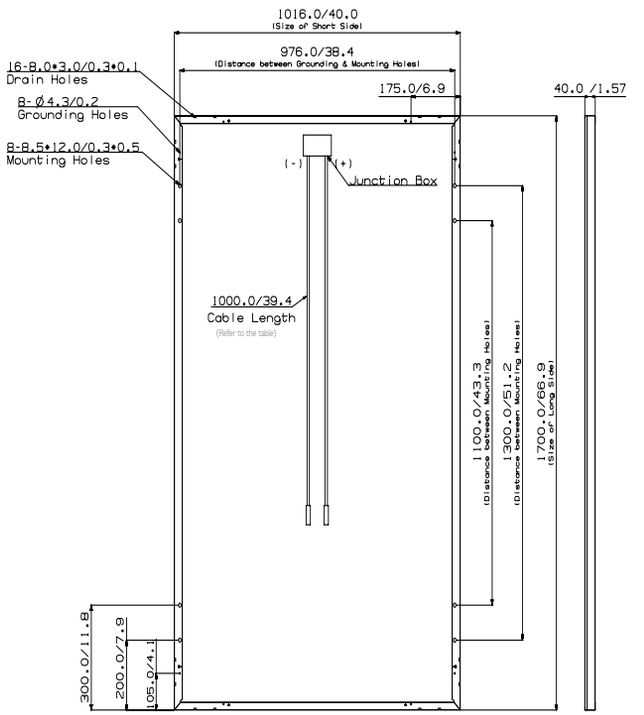
Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load(Front)	[Pa / psf]	5,400 / 113
Mechanical Test Load(Rear)	[Pa / psf]	4,000 / 83.5

※ Mechanical Test Load 5,400Pa / 4,000Pa based on IEC 61215-2 : 2016
(Test Load = Design Load x Safety Factor(1.5))

Packaging Configuration

Number of Modules Per Pallet	[EA]	25
Number of Modules Per 40ft HQ Container	[EA]	650
Packaging Box Dimensions (L x W x H)	[mm]	1,750 x 1,120 x 1,221
Packaging Box Gross Weight	[kg]	473

Dimensions (mm / inch)



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Product specifications are subject to change without notice.
DS-V5-60-K-G-F-EN-90812