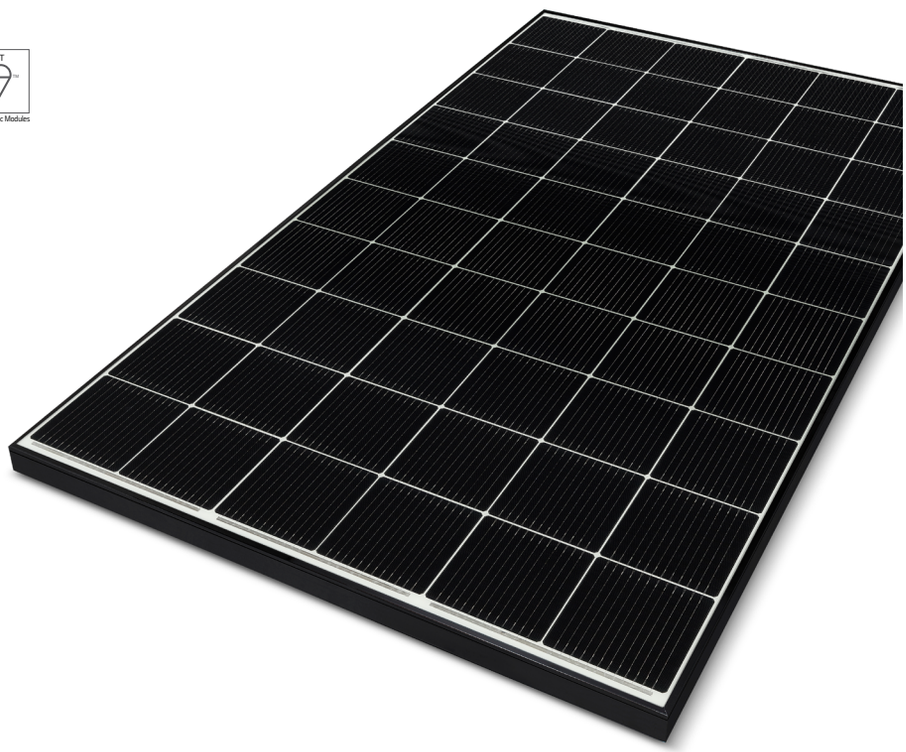
LG NeON®2

360W I 355W I 350W

The LG NeON® 2 is one of the most powerful and versatile modules on the market today. Featuring LG's Cello Technology in monocrystalline n-type solar cells, the LG NeON® 2 increases power output. Now includes a 25 years product and 90.1% performance warranty for higher performance and reliability.
The new LG NeON® 2 has been designed with aesthetics in mind using new cell design.



Feature

Enhanced Performance Warranty

LG NeON® 2 has an enhanced performance warranty. After 25 years, LG NeON® 2 is guaranteed to perform at minimum 90.1% of initial performance.

Enhanced Product warranty

LG has extended the warranty of the NeON® 2 to 25 years, which is among the top of industry standards.

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®2

LG360N1C-N5 | LG355N1C-N5 | LG350N1C-N5

General Data

Cell Properties(Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Number of Busbars	12EA
Module Dimensions (L x W x H)	1,700mm x 1,016mm x 40 mm
Weight	18.0 kg
Glass(Material)	Tempered Glass with AR Coating
Backsheet(Color)	White
Frame(Material)	Anodized Aluminium
Junction Box(Protection Degree)	IP 68 with 3 Bypass Diodes
Cables(Length)	1,000 mm x 2EA
Connector(Type / Maker)	MC 4 / MC

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/2:2016
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701:2012 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Hail Test	25mm (1") diameter at 23 m/s (52 mph)
Fire Rating	Class C (UL 790)
Solar Module Product Warranty	25 Years
Solar Module Output Warranty	Linear Warranty*

* 1) First year : 98% 2) After 1st year : 0.33% annual degradation, 3) 90.1% for 25 years

Temperature Characteristics

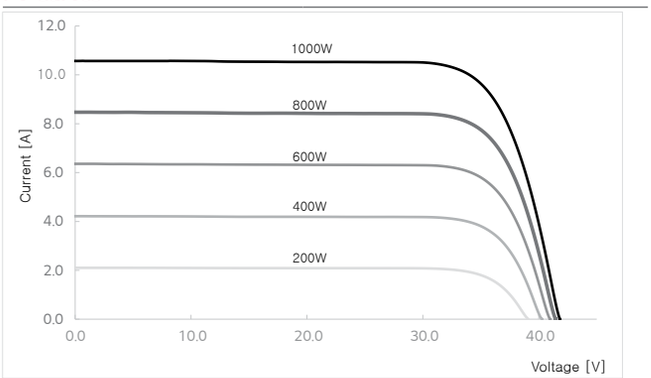
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.34
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.03

* 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		LG360N1C-N5	LG355N1C-N5	LG350N1C-N5
Maximum Power (Pmax)	[W]	270	266	263
MPP Voltage (Vmpp)	[V]	33.0	32.6	32.2
MPP Current (Impp)	[A]	8.20	8.17	8.15
Open Circuit Voltage (Voc)	[V]	39.2	39.1	39.0
Short Circuit Current (Isc)	[A]	8.71	8.68	8.64

I-V Curves



Electrical Properties (STC*)

Model		LG360N1C-N5	LG355N1C-N5	LG350N1C-N5
Maximum Power (Pmax)	[W]	360	355	350
MPP Voltage (Vmpp)	[V]	35.1	34.7	34.3
MPP Current (Impp)	[A]	10.28	10.25	10.22
Open Circuit Voltage(Voc, ± 5%)	[V]	41.6	41.5	41.4
Short Circuit Current(Isc, ± 5%)	[A]	10.84	10.80	10.76
Module Efficiency	[%]	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 of Pmax : ± 3%

Operating Conditions

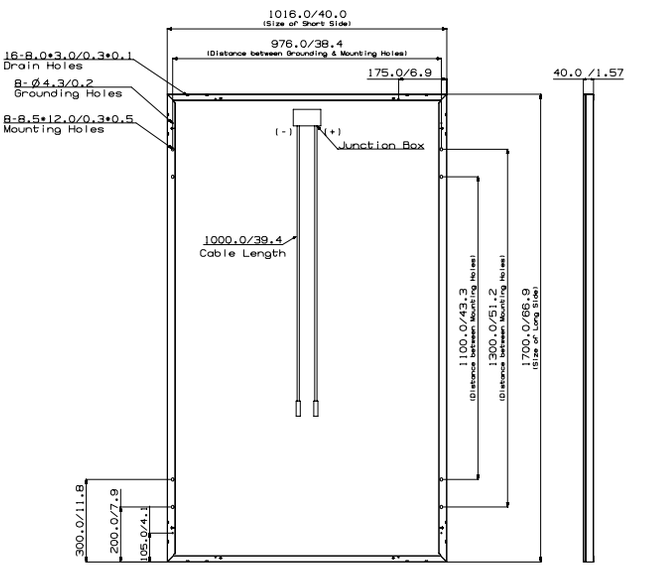
Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1000(IEC)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load* (Front)	[Pa / psf]	5,400 / 113
Mechanical Test Load* (Rear)	[Pa / psf]	4,000 / 84

* Based on IEC 61215-2 : 2016 (Test Load = Design Load x Safety Factor(1.5))
※ Mechanical Test Loads 6,000Pa / 5,400Pa based on IEC 61215:2005

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]	464

Dimensions (mm / inch)



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Product specifications are subject to change without notice.
DS-N5-60-C-G-F-EN-200507