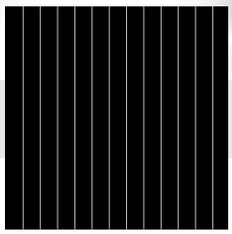
LG NeON®2



355W | 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.

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

Because of the high quality of LG solar panels, LG provides 25 years product warranty to customers.

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

LG355N1K-N5 | LG350N1K-N5

General Data

Cell Properties (Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Number of Busbars	12 EA
Module Dimensions (L x W x H)	1,700 mm x 1,016 mm x 40 mm
Weight	18.0 kg
Glass (Material)	Tempered Glass with AR coating
Backsheet (Color)	Black
Frame (Material)	Anodized Aluminium
Junction Box (Protection Degree)	IP 68 with 3 Bypass Diodes
Cables (Length)	1,000 mm x 2 EA
Connector (Type / Maker)	MC4 / 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 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Fire Rating	Class C (UL 790)
Solar Module Product Warranty	25 Years
Solar Module Output Warranty	Linear Warranty*

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

Temperature Characteristics

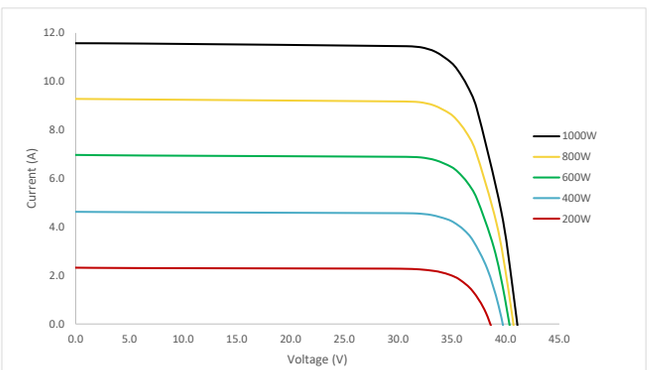
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.34
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.03

* NMOT (Nominal Module Operating Temperature) : Irradiance 800 W/m², ambient temperature 20°C, wind speed 1m/s, Spectrum AM1.5

Electrical Properties (NMOT)

Model		LG355N1K-N5	LG350N1K-N5
Maximum Power (Pmax)	[W]	266.3	262.5
MPP Voltage (Vmpp)	[V]	32.9	32.5
MPP Current (Impp)	[A]	8.10	8.08
Open Circuit Voltage (Voc)	[V]	39.1	39.0
Short Circuit Current (Isc)	[A]	8.61	8.58

Characteristic Curves



Electrical Properties (STC*)

Model		LG355N1K-N5	LG350N1K-N5
Maximum Power (Pmax)	[W]	355	350
MPP Voltage (Vmpp)	[V]	35.0	34.6
MPP Current (Impp)	[A]	10.15	10.12
Open Circuit Voltage (Voc)	[V]	41.5	41.4
Short Circuit Current (Isc)	[A]	10.72	10.68
Module Efficiency	[%]	20.6	20.3
Power Tolerance	[%]	0 ~ +3	

* STC (Standard Test Condition) : Irradiance 1000 W/m², Cell temperature 25°C, AM 1.5 , Measure tolerance : ±3%

Operating Conditions

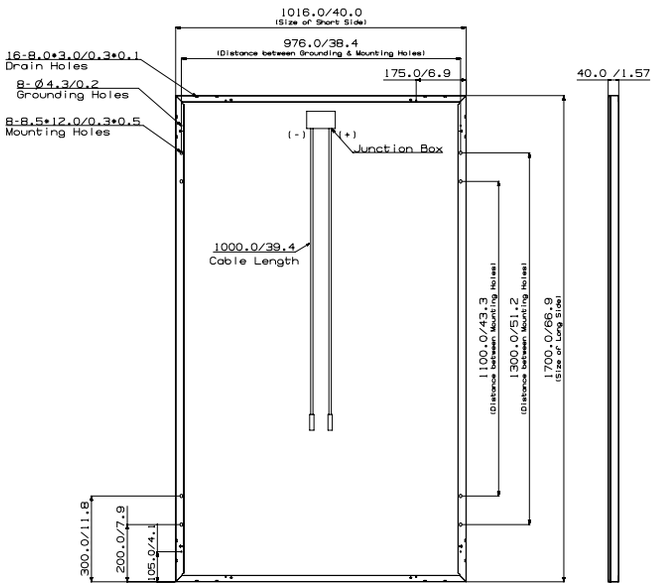
Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1000 (IEC)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load* (Front)	[Pa]	5,400
Mechanical Test Load* (Rear)	[Pa]	4,000

* Based on IEC 61215-2 : 2016 (Test Load = Design Load x Safety Factor(1.5))
※ Mechanical Test Loads 6,000 Pa / 5,400 Pa 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]	485

Dimensions (mm / inch)



LG Life's Good

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Product specifications are subject to change without notice.
DS-U6-120-W -G-F-EN-200716