LG NeON[®]2 Black



350WI 345W

The LG NeON[®] 2 Black provides high performance under real environment using LG's Cello Technology in monocrystalline n-type solar cells. Now includes a 25years product and 90.1% performance warranty for higher performance and reliability.





Feature



Enhanced Performance Warranty

LG NeON[®] 2 Black 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 panel, 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 Black

LG350N1K-L51LG345N1K-L5

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(Thickness/Material)	2.8mm/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 2EA
Connector(Type / Maker)	MC 4 / MC

Certifications and Warranty

	IEC 61215-1/-1-1 / 2:2016, IEC 61730-1/2:2016	
Certifications	UL 61730-1/-2:2017	
	ISO 9001, ISO 14001, ISO 50001	
	OHSAS 18001	
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6	
Ammonia Corrosion Test	IEC 62716 : 2013	
Hail Test	25mm (1") diameter at 23 m/s (52 mph)	
Module Fire Performance	Type 2 (UL 61730)	
Fire Rating	Class C (UL 790)	
Solar Module Product Warranty	25 Years	
Solar Module Output Warranty	Linear Warranty*	
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* 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]	-0.35
Voc	[%/°C]	-0.26
lsc	[%/°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		LG350N1K-L5	LG345N1K-L5
Maximum Power (Pmax)	[W]	262.5	258.6
MPP Voltage (Vmpp)	[V]	32.3	31.9
MPP Current (Impp)	[A]	8.12	8.10
Open Circuit Voltage (Voc)	[V]	38.7	38.6
Short Circuit Current (Isc)	[A]	8.58	8.55

I-V Curves





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Electrical Properties (STC*)

Model		LG350N1K-L5	LG345N1K-L5
Maximum Power (Pmax)	[W] 350		345
MPP Voltage (Vmpp)	[V]	34.4	34.0
MPP Current (Impp)	[A]	10.18	10.15
Open Circuit Voltage(Voc, ± 5%)	[V]	41.1	41.0
Short Circuit Current(lsc, ± 5%)	[A]	10.68	10.64
Module Efficiency	[%]	20.3	20.0
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) / 1000(UL)
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

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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)



Product specifications are subject to change without notice. DS-L5-60-K-G-F-EN-200710



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