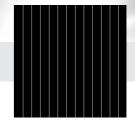
# LG NeON®2



# 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**

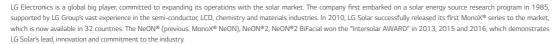
LG NeON® 2 has an enhanced performance warranty. After 25 years, LG NeON® 2 is guaranteed to perform at minimum 90.1% of initial performance.



## **Enhanced Product warranty**

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

# **About LG Electronics**





# LG 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**

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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*	

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

#### **Temperature Characteristics**

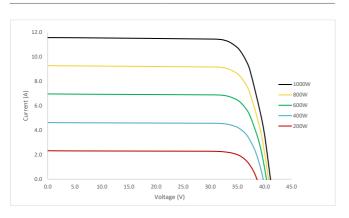
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.34
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.03

<sup>\*</sup> 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	

<sup>\*</sup> 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

<sup>\*</sup> 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)

