

# LG NeON<sup>®</sup>H Black

The LG NeON<sup>®</sup>H Black is one of the most powerful and versatile modules on the market today. The LG NeON<sup>®</sup>H Black is equipped with N-type cells and half-cut technology to increase power and efficiency. The LG NeON<sup>®</sup>H Black includes a 25-year product and 87.2% performance warranty for higher performance and reliability. The LG NeON<sup>®</sup>H Black combines LG's high-performing technology with a stunning black design.

## 360W | 355W

### FEATURES

#### Enhanced Performance Warranty

**87.2%**  
in year 25

LG NeON<sup>®</sup>H Black comes with an enhanced performance warranty. After 25 years of use, the LG NeON<sup>®</sup>H Black is guaranteed to provide at least 87.2% of initial performance.

**25**  
YEARS  
WARRANTY

#### Industry-Leading Product Warranty

LG offers an industry-leading 25 year product warranty on the NeON<sup>®</sup>H Black.



#### Reliable Quality

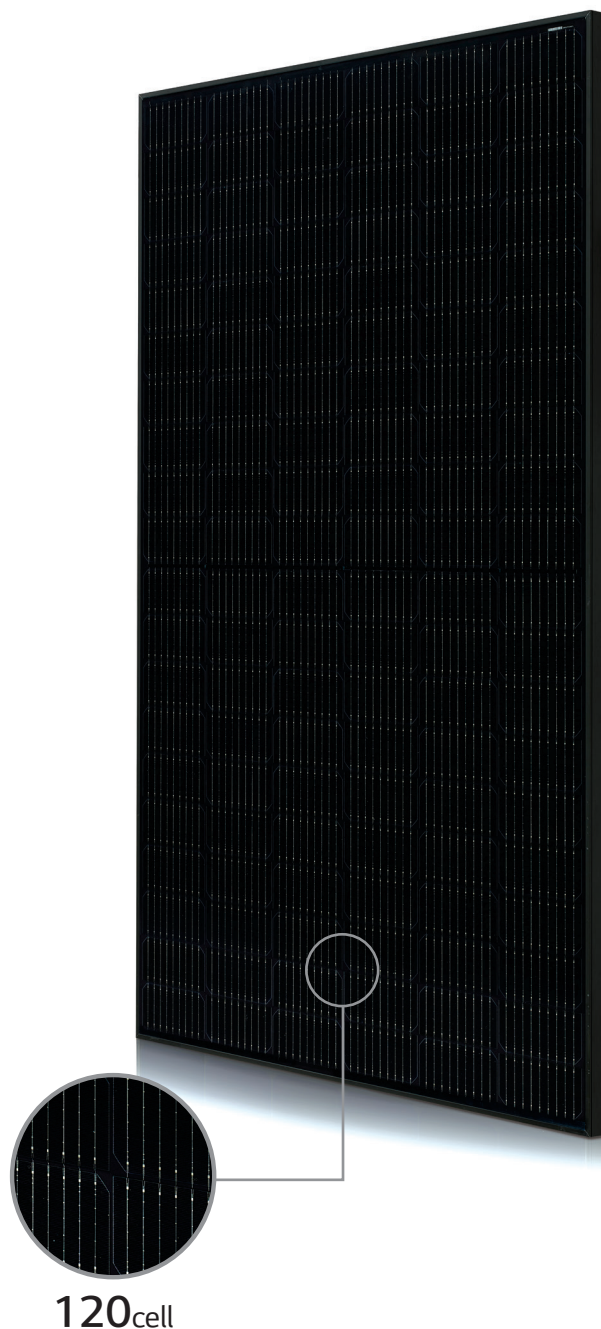
LG NeON<sup>®</sup>H Black offers reliable and proven quality through rigorous testing\*.



#### Sleek Rooftop Design

The LG NeON<sup>®</sup>H Black is designed to make the entire module look black, providing a sleek, modern design that blends in seamlessly with the rooftop.

\* LG is subject to rigorous quality verification through PVEL PQP test. The PVEL PQP includes test sequences examining both the reliability and performance characteristics of PV modules.



#### About LG Electronics

LG is transforming today's solar landscape, offering high-efficiency solar panels for customers who demand high performance, reliability and consistently strong energy yield from a brand they can trust. LG's modules feature high power outputs, outstanding durability, appealing aesthetics and high-efficiency technology.



# LG NeON<sup>®</sup>H Black

LG360N1K-N6 / LG355N1K-N6

## General Data

Cell Properties (Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	120 Cells (6 x 20)
Number of Busbars	9 EA
Module Dimensions (L x W x H)	1,768 x 1,042 x 40 mm
Weight	18.5 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)	1,200 mm x 2 EA
Connector (Type / Maker)	MC4 / Stäubli

## Certifications and Warranty

Certifications	IEC 61215-1 / -1-1 / 2:2016, IEC 61730-1 / 2:2016, UL 61730-1:2017, UL 61730-2:2017
	ISO 9001, ISO 14001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
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*

\* 1) First years : 98%, 2) After 1st year : -0.45%/year, 3) 87.2% for 25 years

## Temperature Characteristics

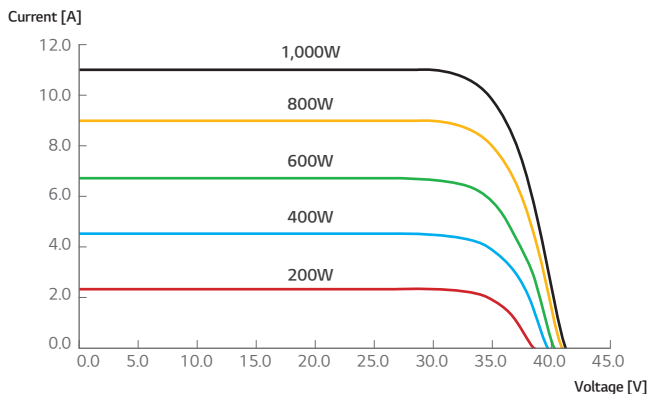
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

\* NMOT (Nominal Module Operating Temperature)  
: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

## Electrical Properties (NMOT)

Model		LG360N1K-N6	LG355N1K-N6
Maximum Power (Pmax)	[W]	269	265
MPP Voltage (Vmpp)	[V]	31.9	31.7
MPP Current (Impp)	[A]	8.42	8.37
Open Circuit Voltage (Voc)	[V]	38.2	38.0
Short Circuit Current (Isc)	[A]	8.89	8.81

## I-V Curves



## Electrical Properties (STC\*)

Model		LG360N1K-N6	LG355N1K-N6
Maximum Power (Pmax)	[W]	360	355
MPP Voltage (Vmpp)	[V]	34.3	34.0
MPP Current (Impp)	[A]	10.51	10.44
Open Circuit Voltage (Voc, ± 5%)	[V]	41.0	40.8
Short Circuit Current (Isc, ± 5%)	[A]	11.03	10.93
Module Efficiency	[%]	19.5	19.3
Power Tolerance	[%]	0 ~ +3	

\* STC (Standard Test Condition)

: Irradiance 1,000 W/m<sup>2</sup>, Cell temperature 25°C, AM 1.5, Measurement tolerance of Pmax : ±3%

## Operating Conditions

Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1,000
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]	600
Packaging Box Dimensions (L x W x H)	[mm]	1,810 x 1,120 x 1,213
Packaging Box Gross Weight	[kg]	498

## Dimensions (mm/inch)

