

LG NeON[®]H Black

The LG NeON[®]H Black is one of the most powerful and versatile modules on the market today. The LG NeON[®]H Black is equipped with N-type cells and half-cut technology to increase power and efficiency. The LG NeON[®]H Black includes a 25-year product and 90.6% performance warranty for higher performance and reliability. The LG NeON[®]H Black combines LG's high-performing technology with a stunning black design.

380W | 375W | 370W

FEATURES

90.6%
in year 25

Enhanced Performance Warranty

LG NeON[®]H Black comes with an enhanced performance warranty. After 25 years of use, the LG NeON[®]H Black is guaranteed to provide at least 90.6% of initial performance.

25
YEARS
WARRANTY

Industry-Leading Product Warranty

LG offers an industry-leading 25 year product warranty on the NeON[®]H Black.



Reliable Quality

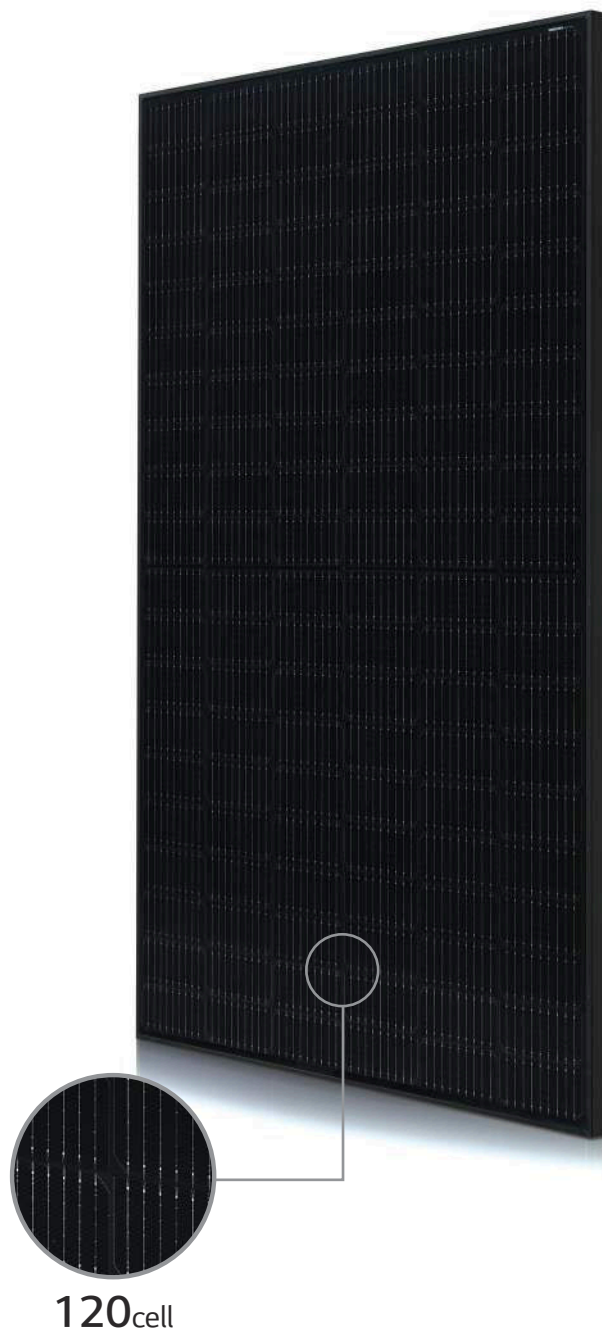
LG NeON[®]H Black offers reliable and proven quality through rigorous testing*.



Sleek Rooftop Design

The LG NeON[®]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.



120_{cell}

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[®]H Black

LG380N1K-E6 / LG375N1K-E6 / LG370N1K-E6

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 : 98.5%, 2) After 1st year : -0.33%/year, 3) 90.6% for 25 years

Temperature Characteristics

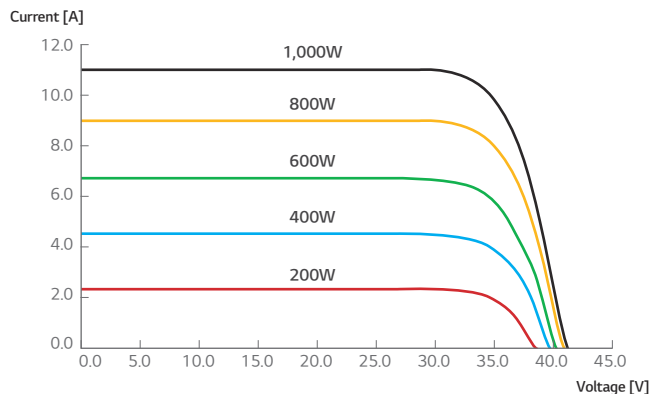
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

* NMOT (Nominal Module Operating Temperature)
: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

Model		LG380N1K-E6	LG375N1K-E6	LG370N1K-E6
Maximum Power (Pmax)	[W]	284	280	276
MPP Voltage (Vmpp)	[V]	32.7	32.5	32.3
MPP Current (Impp)	[A]	8.68	8.61	8.56
Open Circuit Voltage (Voc)	[V]	38.9	38.8	38.6
Short Circuit Current (Isc)	[A]	9.22	9.14	9.06

I-V Curves



Electrical Properties (STC*)

Model		LG380N1K-E6	LG375N1K-E6	LG370N1K-E6
Maximum Power (Pmax)	[W]	380	375	370
MPP Voltage (Vmpp)	[V]	35.2	34.9	34.7
MPP Current (Impp)	[A]	10.83	10.75	10.68
Open Circuit Voltage (Voc, ± 5%)	[V]	41.7	41.5	41.4
Short Circuit Current (Isc, ± 5%)	[A]	11.43	11.33	11.23
Module Efficiency	[%]	20.6	20.4	20.1
Power Tolerance	[%]	0 ~ +3		

* STC (Standard Test Condition)
: Irradiance 1,000 W/m², 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)

