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.

405W

FEATURES

Enhanced Performance Warranty

90.6% in year 25

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.

Industry-Leading Product Warranty

25 YEARS 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*.

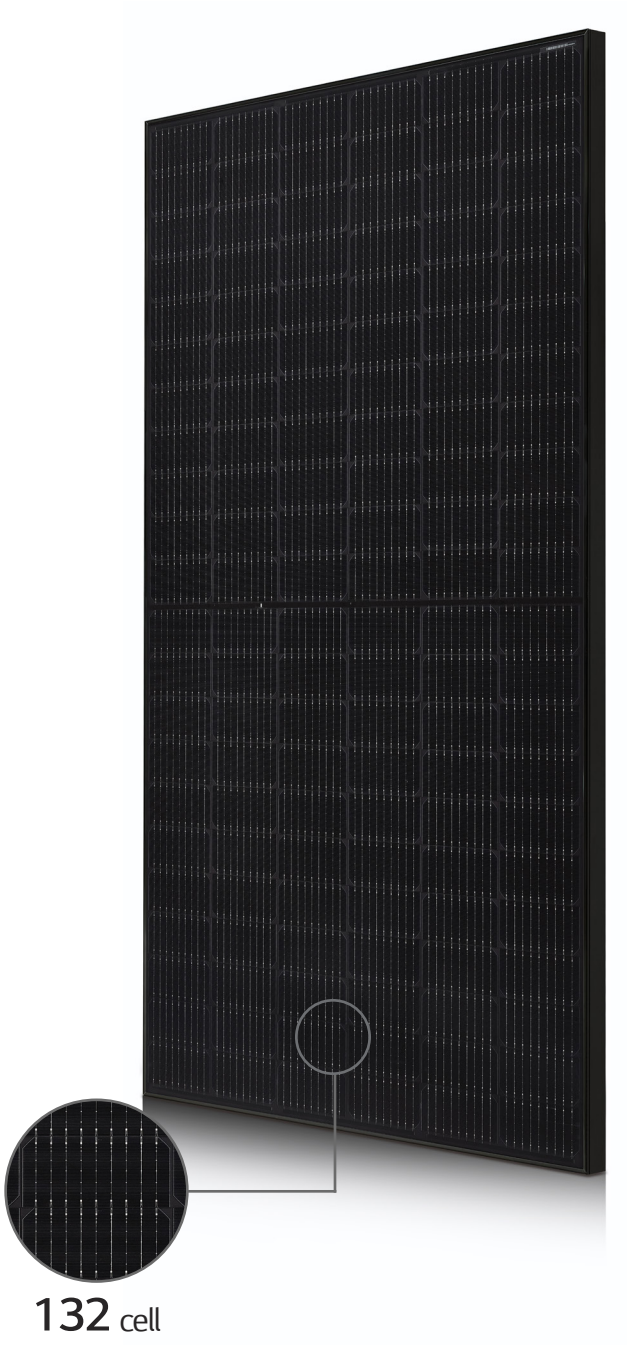
Sleek Rooftop Design

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.

Bifacial Energy Yield

LG NeON®H+ Black modules use a highly efficient bifacial solar cell, "NeON" applied Cello technology for better energy production than standard monofacial PV module.

* 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 Life's Good

LG NeON®H+ Black

LG405N3K-V6

General Data

Cell Properties (Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	132 Cells (6 x 22)
Number of Busbars	9 EA
Module Dimensions (L x W x H)	1,880 x 1,042 x 40 mm
Weight	19.7 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)	1,400 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, UL 61730-1:2017, UL 61730-2:2017
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
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

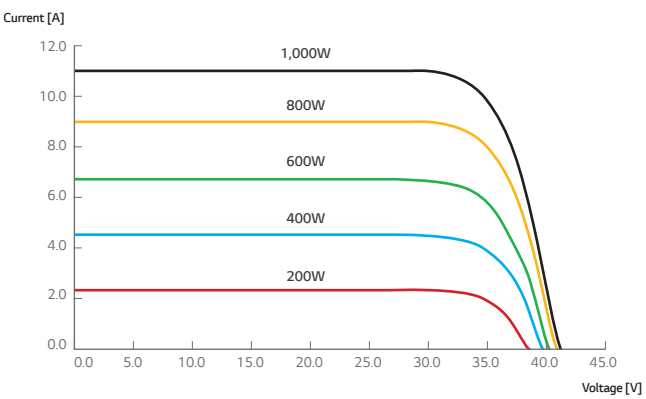
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

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

Electrical Properties (NMOT)

Model		LG405N3K-V6
Maximum Power (Pmax)	[W]	306
MPP Voltage (Vmpp)	[V]	35.4
MPP Current (Impp)	[A]	8.64
Open Circuit Voltage (Voc)	[V]	42.7
Short Circuit Current (Isc)	[A]	9.02

I-V Curves



Electrical Properties (STC*)

Model		LG405N3K-V6
Maximum Power (Pmax)	[W]	405
MPP Voltage (Vmpp)	[V]	37.6
MPP Current (Impp)	[A]	10.78
Open Circuit Voltage (Voc, ± 5%)	[V]	45.3
Short Circuit Current (Isc, ± 5%)	[A]	11.20
Module Efficiency	[%]	20.7
Bifaciality Coefficient of Power	[%]	10
Power Tolerance	[%]	0 ~ +3

* STC (Standard Test Condition)
: Irradiance 1,000W/m², Cell temperature 25°, AM 1.5, Measure tolerance of Pmax : ±3%

Operating Conditions

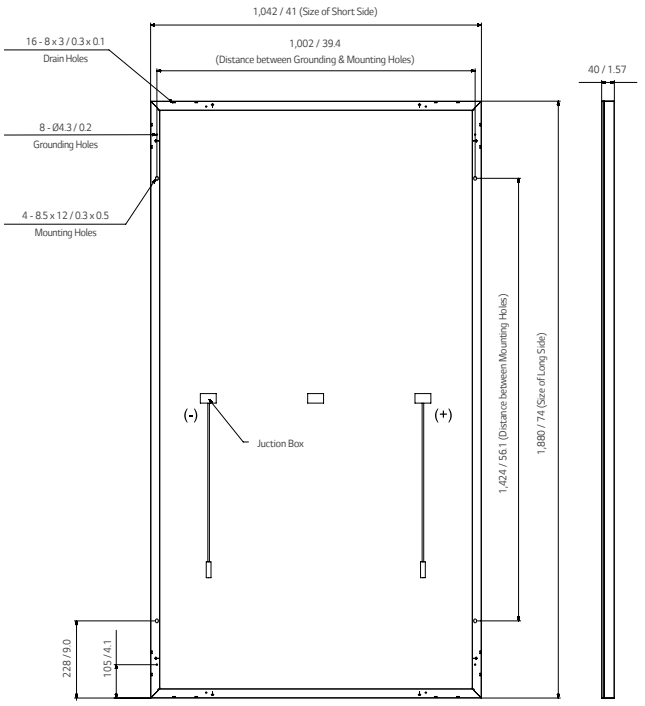
Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load* (Front)	[Pa]	5,400
Mechanical Test Load* (Rear)	[Pa]	4,000

* 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]	1,960 x 1,120 x 1,221
Packaging Box Gross Weight	[kg]	530

Dimensions (mm/inch)



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Product specifications are subject to change without notice.