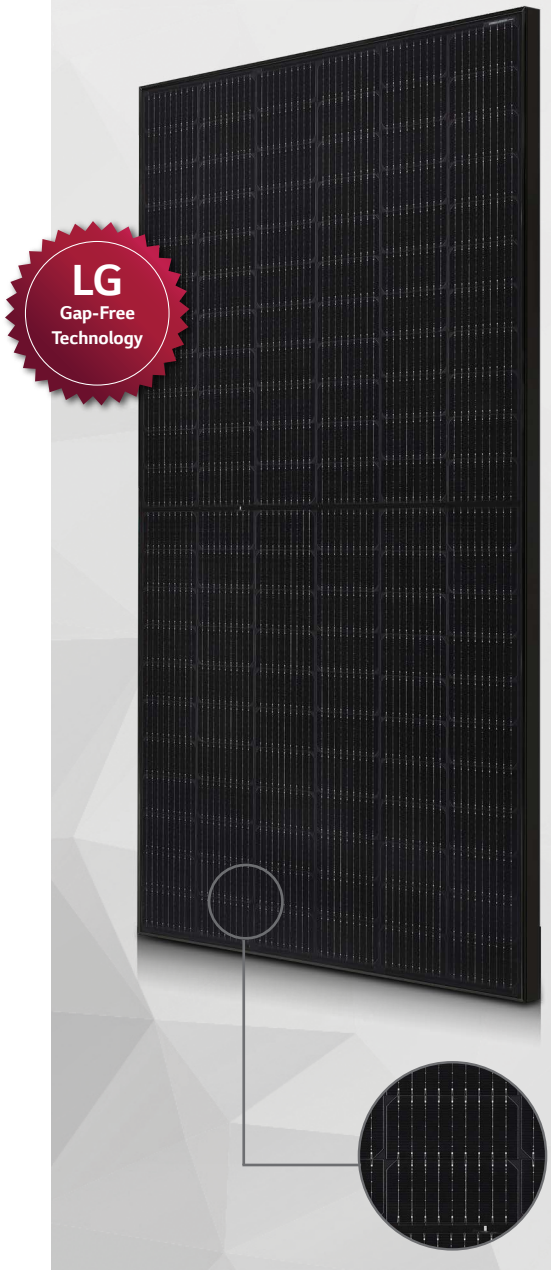
LG NeON® H+ Black

Power both performance and aesthetics

Two innovative technologies. One innovative solar panel. LG NeON® H+ Black premium solar panels are LG's first to feature cells with gapfree technology as well as LG's award-winning Cello Technology—which means they look good and perform even better.

405W



Features

Enhanced Performance Warranty
After 25 years of use, the LG NeON® H+ Black is guaranteed to provide at least 90.6% of initial performance.

Reliable Quality
Reliable and proven quality through rigorous testing.

Sleek Rooftop Design
Designed to make the entire module look black, providing a sleek, modern design that blends in seamlessly with the rooftop.

Industry-Leading Product Warranty
LG offers an industry-leading, 25-year limited product warranty.

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 Solar
Power the Possibilities™

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 Aluminum
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 first year : -0.33%/year, 3) 90.6% for 25 years

Temperature Characteristics

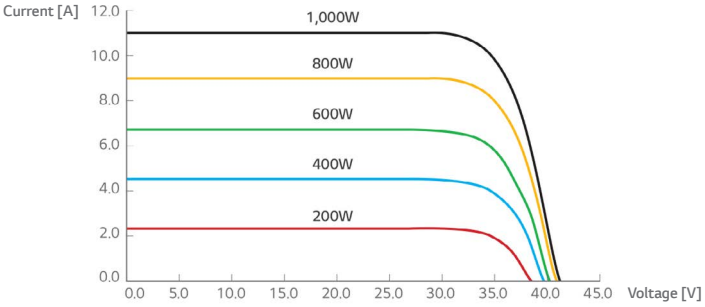
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

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

Electrical Properties (NMOT)

Maximum Power (Pmax)	[W]	306		
MPP Volatge (Vmpp)	[V]	35.4		
MPP Current (Impp)	[A]	8.64		
Open Circuit Voltage (Voc)	[V]	42.7		
Short Circuit Current (ISc)	[A]	9.0:	9.02	8.99

I-V Curves



Electrical Properties (STC*)

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

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

Operating Conditions

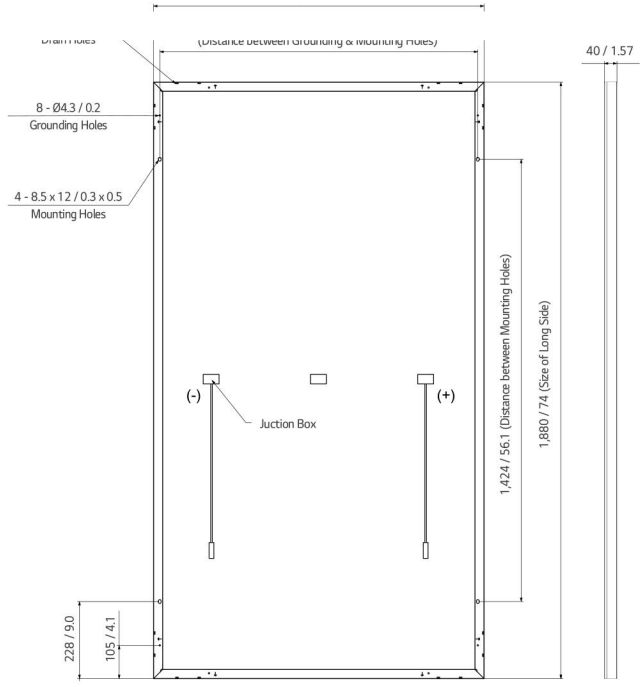
Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load* (Front)	[Pa]	5,400
Mechanical Test Load* (Rear)	[Pa]	4,000

* 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 40' Container	[EA]	600
Number of Modules per 53' Container	[EA]	TBD
Packaging Box Dimensions (L x W x H)	[mm]	1,960 x 1,120 x 1,221
Packaging Box Dimensions (L x W x H)	[in]	TBD
Packaging Box Gross Weight	[kg]	530
Packaging Box Gross Weight	[lb]	TBD

Dimensions (mm/inch)



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LG Life's Good