LG NeON®H

The LG NeON®H is one of the most powerful and versatile modules on the market today. The LG NeON®H is equipped with N-type cells and half-cut technology to increase power and efficiency. The LG NeON®H includes a 25-year product and 90.6% performance warranty for higher performance and reliability.

390W | 385W
380W | 375W
370W | 365W | 360W

FEATURES

Enhanced Performance Warranty

90.6% in year 25

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

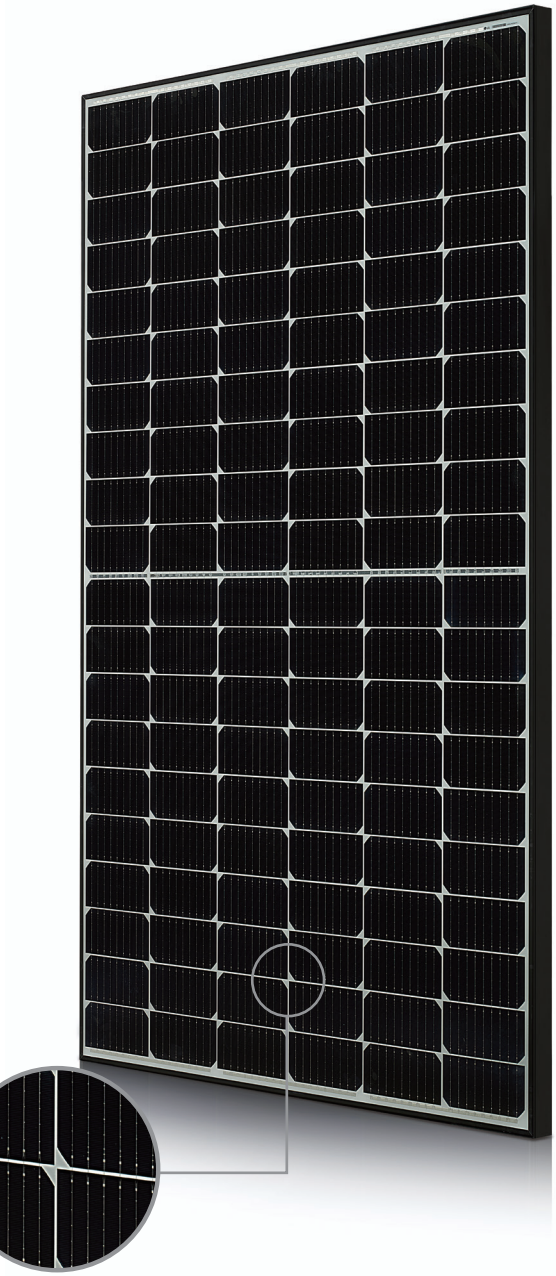
Industry-Leading Product Warranty

25 YEARS WARRANTY

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

Reliable Quality

LG NeON®H offers reliable and proven quality through rigorous testing.



120cell

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

Preliminary

LG390N1C-E6 / LG385N1C-E6 / LG380N1C-E6 / LG375N1C-E6 / LG370N1C-E6 / LG365N1C-E6 / LG360N1C-E6

Electrical Properties (STC*)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6	LG365N1C-E6	LG360N1C-E6
Maximum Power (Pmax)	[W]	390	385	380	375	370	365	360
MPP Voltage (Vmpp)	[V]	35.8	35.5	35.1	34.8	34.4	34.1	33.8
MPP Current (Impp)	[A]	10.92	10.88	10.85	10.80	10.76	10.73	10.68
Open Circuit Voltage (Voc, ± 5%)	[V]	42.4	42.0	41.7	41.3	40.9	40.5	40.2
Short Circuit Current (Isc, ± 5%)	[A]	11.49	11.44	11.39	11.35	11.30	11.25	11.19
Module Efficiency	[%]	21.2	20.9	20.6	20.4	20.1	19.8	19.5
Power Tolerance	[%]	0 ~ +3						

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

Electrical Properties (NMOT)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6	LG365N1C-E6	LG360N1C-E6
Maximum Power (Pmax)	[W]	294	291	287	283	279	276	272
MPP Voltage (Vmpp)	[V]	33.6	33.4	33.0	32.7	32.4	32.1	31.8
MPP Current (Impp)	[A]	8.75	8.72	8.69	8.65	8.62	8.60	8.56
Open Circuit Voltage (Voc)	[V]	39.9	39.5	39.2	38.8	38.5	38.1	37.8
Short Circuit Current (Isc)	[A]	9.25	9.21	9.17	9.14	9.10	9.06	9.01

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)	White
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 / MC

Operating Conditions

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

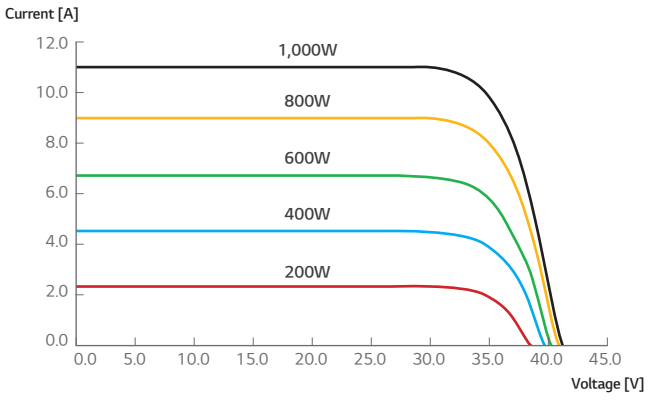
* Based on IEC 61215-2 : 2016 (Test Load = Design Load x Safety Factor(1.5))
※ Mechanical Test Loads 6,000 Pa / 5,400 Pa based on IEC 61215 : 2005

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

I-V Curves



Certifications and Warranty

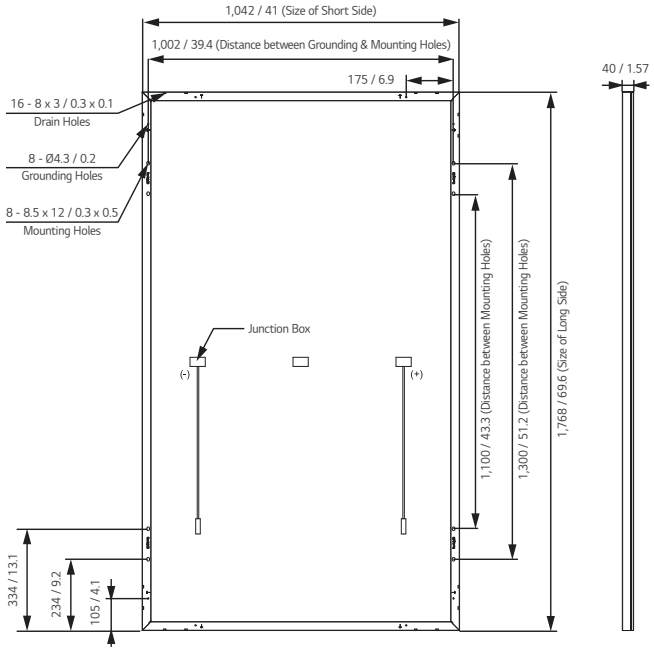
Certifications	IEC 61215-1/-1-1 / 2 : 2016, IEC 61730-1/2 : 2016, UL 61730-1 : 2017, UL 61730-2 : 2017
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Module Fire Performance	Type 1 (UL 61730)
Fire Rating	Class 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

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]	1,810 X 1,120 X 1,213
Packaging Box Gross Weight	[kg]	510

Dimensions (mm/inch)



LG Life's Good

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Product specifications are subject to change without notice.

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