

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

FEATURES

90.6%
in year 25

Enhanced Performance Warranty

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.

25
YEARS
WARRANTY

Industry-Leading Product Warranty

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



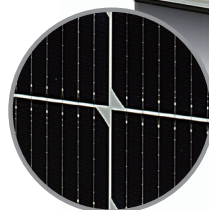
Reliable Quality

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

* 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.



DATA VERIFIED BY
SOLAR ANALYTICA.



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.



Electrical Properties (STC*)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6
Maximum Power (P _{max})	[W]	390	385	380	375	370
MPP Voltage (V _{mpp})	[V]	35.8	35.5	35.1	34.8	34.4
MPP Current (I _{mpp})	[A]	10.92	10.88	10.85	10.80	10.76
Open Circuit Voltage (V _{oc} , ± 5%)	[V]	42.4	42.0	41.7	41.3	40.9
Short Circuit Current (I _{sc} , ± 5%)	[A]	11.49	11.44	11.39	11.35	11.30
Module Efficiency	[%]	21.2	20.9	20.6	20.4	20.1
Power Tolerance	[%]	0 ~ +3				

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

Electrical Properties (NMOT)

Model		LG390N1C-E6	LG385N1C-E6	LG380N1C-E6	LG375N1C-E6	LG370N1C-E6
Maximum Power (P _{max})	[W]	294	291	287	283	279
MPP Voltage (V _{mpp})	[V]	33.6	33.4	33.0	32.7	32.4
MPP Current (I _{mpp})	[A]	8.75	8.72	8.69	8.65	8.62
Open Circuit Voltage (V _{oc})	[V]	39.9	39.5	39.2	38.8	38.5
Short Circuit Current (I _{sc})	[A]	9.25	9.21	9.17	9.14	9.10

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)(Included Connector)	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 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

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

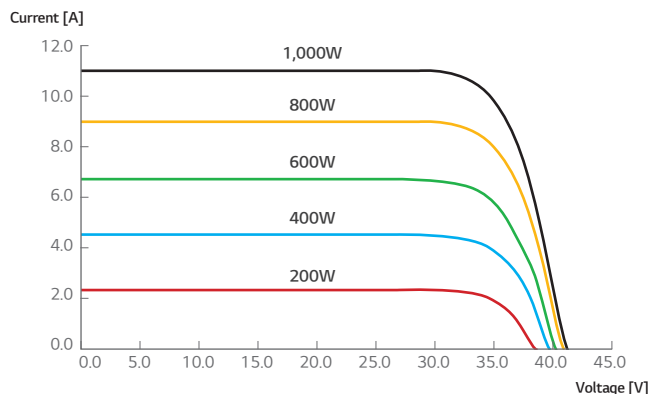
Temperature Characteristics

NMOT*	[°C]	42 ± 3
P _{max}	[%/°C]	-0.33
V _{oc}	[%/°C]	-0.26
I _{sc}	[%/°C]	0.04

* NMOT (Nominal Module Operating Temperature)

: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

I-V Curves



Dimensions (mm/inch)

