

# LG NeON<sup>®</sup>H Black

The LG NeON<sup>®</sup>H Black is one of the most powerful and versatile modules on the market today. The LG NeON<sup>®</sup>H Black is equipped with N-type cells and half-cut technology to increase power and efficiency. The LG NeON<sup>®</sup>H Black includes a 25-year product and 87.2% performance warranty for higher performance and reliability. The LG NeON<sup>®</sup>H Black combines LG's high-performing technology with a stunning black design.

## 360W | 355W

### FEATURES

**87.2%**  
in year 25

#### Enhanced Performance Warranty

LG NeON<sup>®</sup>H Black comes with an enhanced performance warranty. After 25 years of use, the LG NeON<sup>®</sup>H Black is guaranteed to provide at least 87.2% of initial performance.

**25**  
YEARS  
WARRANTY

#### Industry-Leading Product Warranty

LG offers an industry-leading 25 year product warranty on the NeON<sup>®</sup>H Black.



#### Reliable Quality

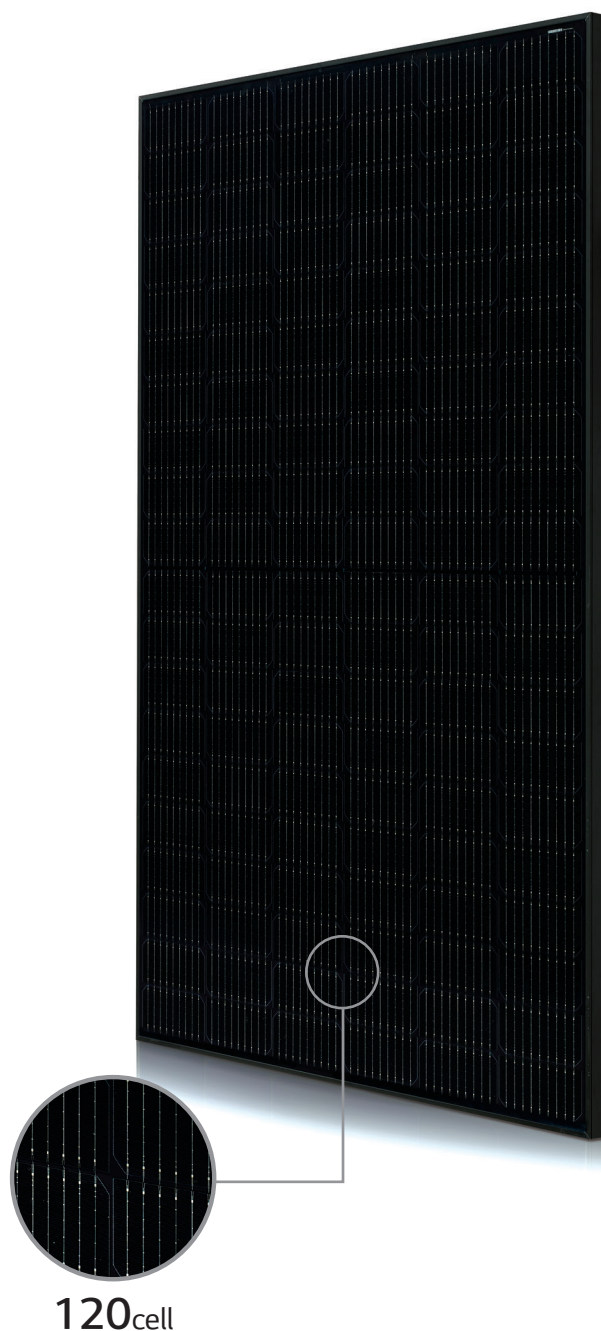
LG NeON<sup>®</sup>H Black offers reliable and proven quality through rigorous testing\*.



#### Sleek Rooftop Design

The LG NeON<sup>®</sup>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.



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.



### 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<br>ISO 9001, ISO 14001<br>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%, 2) After 1st year : -0.45%/year, 3) 87.2% for 25 years

### Temperature Characteristics

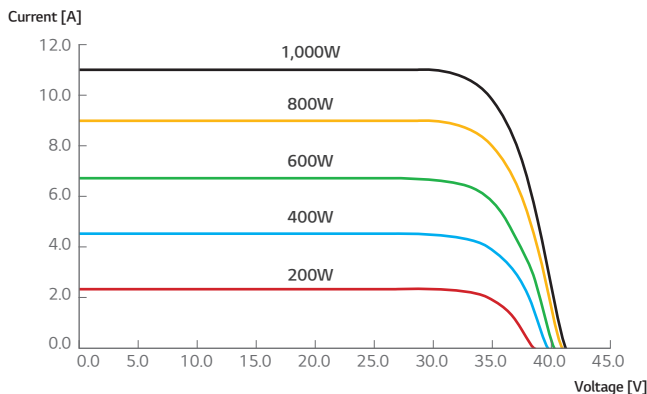
|       |        |        |
|-------|--------|--------|
| NMOT* | [°C]   | 42 ± 3 |
| Pmax  | [%/°C] | -0.33  |
| Voc   | [%/°C] | -0.26  |
| Isc   | [%/°C] | 0.04   |

\* NMOT (Nominal Module Operating Temperature)  
: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

### Electrical Properties (NMOT)

| Model                       |     | LG360N1K-N6 | LG355N1K-N6 |
|-----------------------------|-----|-------------|-------------|
| Maximum Power (Pmax)        | [W] | 269         | 265         |
| MPP Voltage (Vmpp)          | [V] | 31.9        | 31.7        |
| MPP Current (Impp)          | [A] | 8.42        | 8.37        |
| Open Circuit Voltage (Voc)  | [V] | 38.2        | 38.0        |
| Short Circuit Current (Isc) | [A] | 8.89        | 8.81        |

### I-V Curves



### Electrical Properties (STC\*)

| Model                             |     | LG360N1K-N6 | LG355N1K-N6 |
|-----------------------------------|-----|-------------|-------------|
| Maximum Power (Pmax)              | [W] | 360         | 355         |
| MPP Voltage (Vmpp)                | [V] | 34.3        | 34.0        |
| MPP Current (Impp)                | [A] | 10.51       | 10.44       |
| Open Circuit Voltage (Voc, ± 5%)  | [V] | 41.0        | 40.8        |
| Short Circuit Current (Isc, ± 5%) | [A] | 11.03       | 10.93       |
| Module Efficiency                 | [%] | 19.5        | 19.3        |
| Power Tolerance                   | [%] | 0 ~ +3      |             |

\* STC (Standard Test Condition)  
: Irradiance 1,000 W/m<sup>2</sup>, 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)

