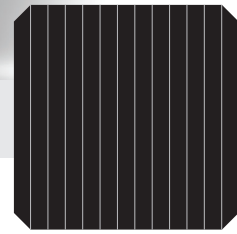


LG NeON[®] 2 Black

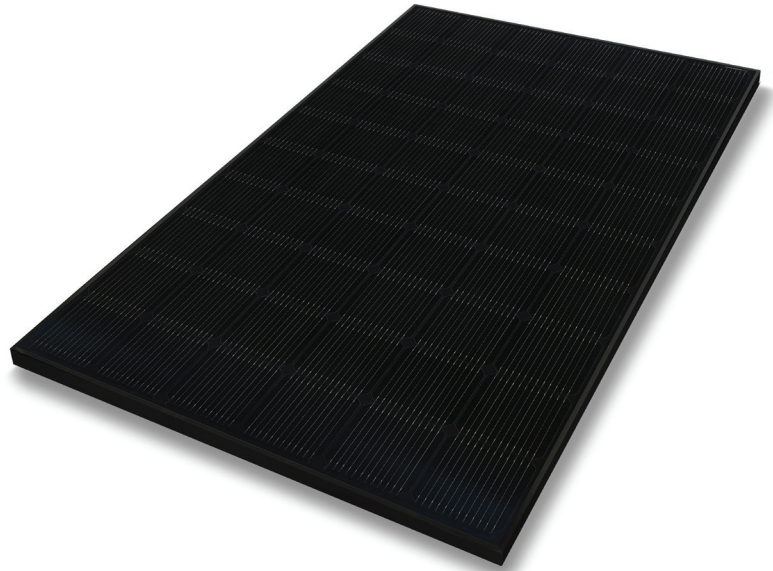
LG370N1K-A6



60

370W

The LG NeON[®] 2 is LG's best selling solar module and one of the most powerful and versatile modules on the market today. The cells are designed to appear all-black at a distance, and the performance warranty guarantees 90.6% of labeled power output at 25 years.



Features



Enhanced Performance Warranty

LG NeON[®] 2 Black has an enhanced performance warranty. After 25 years, LG NeON[®] 2 Black is guaranteed at least 90.6% of initial performance.



25-Year Limited Product Warranty

The NeON[®] 2 Black is covered by a 25-year limited product warranty. In addition, up to \$450 of labor costs will be covered in the rare case that a module needs to be repaired or replaced.



Solid Performance on Hot Days

LG NeON[®] 2 Black performs well on hot days due to its low temperature coefficient.



Roof Aesthetics

LG NeON[®] 2 Black has been designed with aesthetics in mind using thinner wires that appear all black at a distance.

When you go solar, ask for the brand you can trust: LG Solar

About LG Electronics USA, Inc.

LG Electronics is a global leader in electronic products in the clean energy markets by offering solar PV panels and energy storage systems. The company first embarked on a solar energy source research program in 1985, supported by LG Group's vast experience in the semi-conductor, LCD, chemistry and materials industries. In 2010, LG Solar successfully released its first MonoX[®] series to the market, which is now available in 32 countries. The NeON[®] (previous MonoX[®] NeON), NeON[®]2, NeON[®]2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG's leadership and innovation in the solar industry.



LG NeON[®]2 Black

LG370N1K-A6

General Data

| | |
|----------------------------------|--------------------------------|
| Cell Properties (Material/Type) | Monocrystalline/N-type |
| Cell Maker | LG |
| Cell Configuration | 60 Cells (6 x 10) |
| Number of Busbars | 12EA |
| Module Dimensions (L x W x H) | 1,740mm x 1,042mm x 40 mm |
| Weight | 18.6 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) | 1,100mm x 2EA |
| Connector (Type/Maker) | MC 4/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 61701:2012 Severity 6 |
| Ammonia Corrosion Test | IEC 62716:2013 |
| Module Fire Performance | Type 2 (UL 61730) |
| Fire Rating | Class C (UL 790, ULC/ORD C 1703) |
| Solar Module Product Warranty | 25 Year Limited |
| Solar Module Output Warranty | Linear Warranty* |

*Improved: 1st year 98.5%, from 2-24th year: -0.33%/year down, 90.6% at year 25

Temperature Characteristics

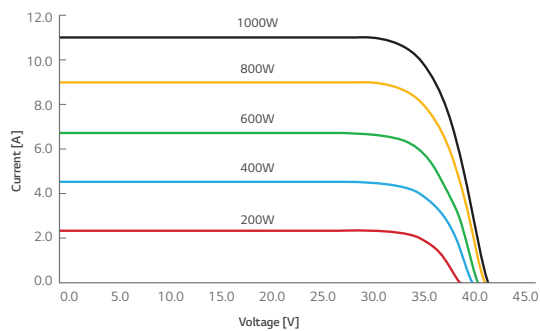
| | | |
|-------|--------|--------|
| NMOT* | [°C] | 42 ± 3 |
| Pmax | [%/°C] | -0.35 |
| Voc | [%/°C] | -0.26 |
| Isc | [%/°C] | 0.03 |

*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)

| | | |
|-----------------------------|-------------|------|
| Model | LG370N1K-A6 | |
| Maximum Power (Pmax) | [W] | 277 |
| MPP Voltage (Vmpp) | [V] | 33.3 |
| MPP Current (Impp) | [A] | 8.32 |
| Open Circuit Voltage (Voc) | [V] | 39.4 |
| Short Circuit Current (Isc) | [A] | 8.81 |

I-V Curves



Electrical Properties (STC*)

| | | |
|----------------------------------|-------------|--------|
| Model | LG370N1K-A6 | |
| Maximum Power (Pmax) | [W] | 370 |
| MPP Voltage (Vmpp) | [V] | 35.5 |
| MPP Current (Impp) | [A] | 10.43 |
| Open Circuit Voltage (Voc ± 5%) | [V] | 41.9 |
| Short Circuit Current (Isc ± 5%) | [A] | 10.96 |
| Module Efficiency | [%] | 20.4 |
| Power Tolerance | [%] | 0 ~ +3 |

*STC (Standard Test Condition): Irradiance 1000 W/m², 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 (UL/IEC) |
| Maximum Series Fuse Rating | [A] | 20 |
| Mechanical Test Load* (Front) | [Pa/psf] | 5,400 |
| Mechanical Test Load* (Rear) | [Pa/psf] | 4,000 |

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

Packaging Configuration

| | | |
|--------------------------------------|------|-----------------------|
| Number of Modules per Pallet | [EA] | 25 |
| Number of Modules per 40' Container | [EA] | 650 |
| Number of Modules per 53' Container | [EA] | 850 |
| Packaging Box Dimensions (L x W x H) | [mm] | 1,790 x 1,120 x 1,213 |
| Packaging Box Dimensions (L x W x H) | [in] | 70.5 x 44.1 x 47.8 |
| Packaging Box Gross Weight | [kg] | 500 |
| Packaging Box Gross Weight | [lb] | 1,102 |

Dimensions (mm/inch)

