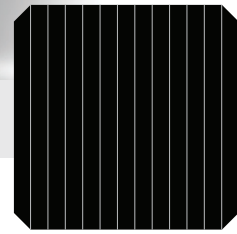


# LG NeON<sup>®</sup> 2

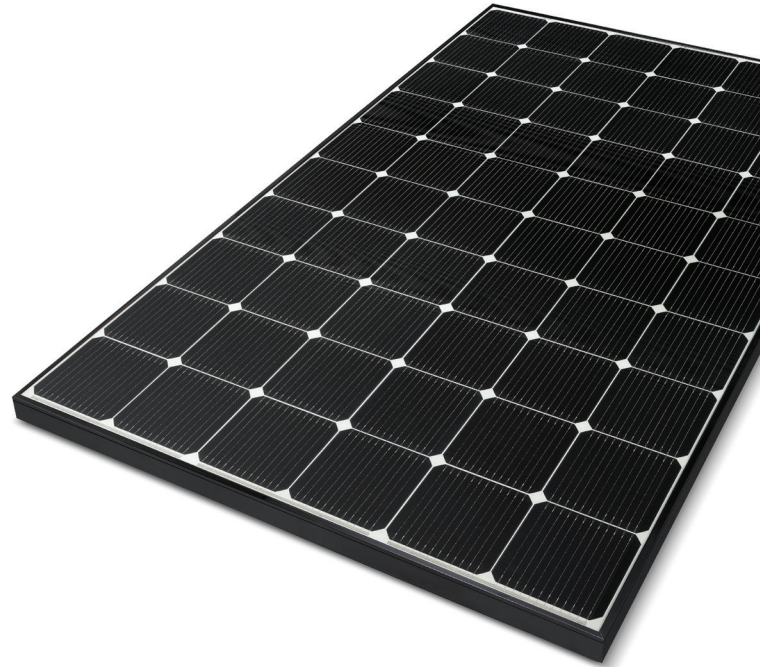
LG335N1C-V5



60

## 335W

The LG NeON<sup>®</sup> 2 is LG's best selling solar module, and is one of the most powerful and versatile modules on the market today. Featuring LG's Cello Technology, the LG NeON<sup>®</sup> 2 increases power output. New updates include an extended performance warranty from 86% to 90.08% to give customers higher performance and reliability.



## Features



### Enhanced Performance Warranty

LG NeON<sup>®</sup> 2 has an enhanced performance warranty. After 25 years, LG NeON<sup>®</sup> 2 is guaranteed at least 90.08% of initial performance.



### Enhanced Product Warranty

LG has extended the warranty of the NeON<sup>®</sup> 2 to 25 years including labor, which is top level in the industry.



### Better Performance on a Sunny Day

LG NeON<sup>®</sup> 2 now performs better on sunny days, thanks to its improved temperature coefficient.



### Roof Aesthetics

LG NeON<sup>®</sup> 2 has been designed with aesthetics in mind using thinner wires that appear all black at a distance. The LG NeON<sup>®</sup> 2 can increase the aesthetic value of your home with a more modern design.

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

## About LG Electronics

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<sup>®</sup> series to the market, which is now available in 32 countries. The NeON<sup>®</sup> (previous MonoX<sup>®</sup> NeON), NeON<sup>®</sup>2, NeON<sup>®</sup>2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG's leadership and innovation in the solar industry.

**LG Solar**

## LG335N1C-V5

### 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)    | 1,686mm x 1,016mm x 40 mm      |
| Weight                           | 17.1 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)                  | 1,000mm 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 1703<br>ISO 9001, ISO 14001, ISO 50001<br>OHSAS 18001 |
| Salt Mist Corrosion Test      | IEC 61701:2012 Severity 6   |
| Ammonia Corrosion Test        | IEC 62716:2013  |
| Module Fire Performance       | Type 1 (UL 1703)  |
| Fire Rating                   | Class C (UL 790, ULC/ORD C 1703)  |
| Solar Module Product Warranty | 25 Years  |
| Solar Module Output Warranty  | Linear Warranty*  |

Improved: 1st year 98%, from 2-24th year: 0.33%/year down, after 25th year: 90.08%

### Temperature Characteristics

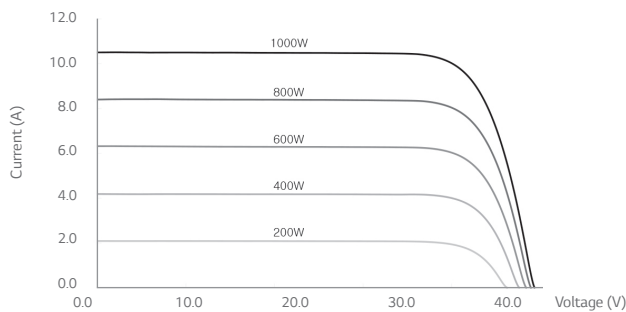
|       |        |        |
|-------|--------|--------|
| NMOT* | [°C]   | 42 ± 3 |
| Pmax  | [%/°C] | -0.36  |
| Voc   | [%/°C] | -0.27  |
| Isc   | [%/°C] | 0.03   |

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

### Electrical Properties (NMOT)

|                             |             |      |
|-----------------------------|-------------|------|
| Model                       | LG335N1C-V5 |      |
| Maximum Power (Pmax)        | [W]         | 250  |
| MPP Voltage (Vmpp)          | [V]         | 31.9 |
| MPP Current (Impp)          | [A]         | 7.84 |
| Open Circuit Voltage (Voc)  | [V]         | 38.5 |
| Short Circuit Current (Isc) | [A]         | 8.43 |

### I-V Curves



### Electrical Properties (STC\*)

|                                   |             |        |
|-----------------------------------|-------------|--------|
| Model                             | LG335N1C-V5 |        |
| Maximum Power (Pmax)              | [W]         | 335    |
| MPP Voltage (Vmpp)                | [V]         | 34.1   |
| MPP Current (Impp)                | [A]         | 9.83   |
| Open Circuit Voltage (Voc, ± 5%)  | [V]         | 41.0   |
| Short Circuit Current (Isc, ± 5%) | [A]         | 10.49  |
| Module Efficiency                 | [%]         | 19.6   |
| Power Tolerance                   | [%]         | 0 ~ +3 |

\* STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C, AM 1.5

### Operating Conditions

|                              |          |                      |
|------------------------------|----------|----------------------|
| Operating Temperature        | [°C]     | -40 ~ +90            |
| Maximum System Voltage       | [V]      | 1,000(UL), 1000(IEC) |
| Maximum Series Fuse Rating   | [A]      | 20                   |
| Mechanical Test Load (Front) | [Pa/psf] | 5,400/113            |
| Mechanical Test Load (Rear)  | [Pa/psf] | 4,000/84             |

\* Test Load = Design load x Safety Factor (1.5)

### 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] | 1,750 x 1,120 x 1,221 |
| Packaging Box Gross Weight              | [kg] | 464                   |

### Dimensions (mm/inch)

