335W

The LG NeON® 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® 2 increases power output. New updates include an extended performance warranty from 86% to 90.08% to give customers higher performance and reliability.

**Features**

<table>
<thead>
<tr>
<th>Enhanced Performance Warranty</th>
</tr>
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<tbody>
<tr>
<td>LG NeON® 2 has an enhanced performance warranty. After 25 years, LG NeON® 2 is guaranteed at least 90.08% of initial performance.</td>
</tr>
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<th>Enhanced Product Warranty</th>
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<td>LG has extended the warranty of the NeON® 2 to 25 years including labor, which is top level in the industry.</td>
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<th>Better Performance on a Sunny Day</th>
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<td>LG NeON® 2 now performs better on sunny days, thanks to its improved temperature coefficient.</td>
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<th>Roof Aesthetics</th>
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<td>LG NeON® 2 has been designed with aesthetics in mind using thinner wires that appear all black at a distance. The LG NeON® 2 can increase the aesthetic value of your home with a more modern design.</td>
</tr>
</tbody>
</table>

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® 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**

**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**
- ISO 9001, ISO 14001, ISO 50001
- GHSAS 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*

### Temperature Characteristics

**NMOT**
- 42 ± 3

**Pmax**
- -0.36

**Voc**
- -0.27

**Isc**
- 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 (STC*)

**Model**
- LG335N1C-V5

**Maximum Power (Pmax)**
- 335 W

**MPP Voltage (Vmpp)**
- 34.1 V

**MPP Current (Impp)**
- 9.83 A

**Open Circuit Voltage (Voc, ± 5%)**
- 41.0 V

**Short Circuit Current (Isc, ± 5%)**
- 10.49 A

**Module Efficiency**
- 19.6 %

**Power Tolerance**
- 0 ~ +3 %

* STC (Standard Test Condition): Irradiance 1000 W/m², cell temperature 25 °C, AM 1.5

### Operating Conditions

**Operating Temperature**
- -40 ~ +90 °C

**Maximum System Voltage**
- 1,000(UL), 1000(IEC)

**Maximum Series Fuse Rating**
- 20 A

**Mechanical Test Load (Front)**
- 5,400/113 Pa/psf

**Mechanical Test Load (Rear)**
- 4,000/84 Pa/psf

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

### Packaging Configuration

**Number of Modules per Pallet**
- 25 EA

**Number of Modules per 40ft HQ Container**
- 650 EA

**Packaging Box Dimensions (L x W x H)**
- 1,750 x 1,120 x 1,221 mm

**Packaging Box Gross Weight**
- 464 kg

### Dimensions (mm/inch)

### Electrical Properties (NMOT)

**Model**
- LG335N1C-V5

**Maximum Power (Pmax)**
- 250 W

**MPP Voltage (Vmpp)**
- 31.9 V

**MPP Current (Impp)**
- 7.84 A

**Open Circuit Voltage (Voc)**
- 38.5 V

**Short Circuit Current (Isc)**
- 8.43 A

### I-V Curves

![I-V Curves Chart](chart.png)