LG NeON²

340W

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

- **Enhanced Performance Warranty**
  LG NeON® 2 has an enhanced performance warranty. After 25 years, LG NeON® 2 is guaranteed at least 90.08% of initial performance.

- **Enhanced Product Warranty**
  LG has extended the warranty of the NeON® 2 to 25 years including labor, which is top level in the industry.

- **Better Performance on a Sunny Day**
  LG NeON® 2 now performs better on sunny days, thanks to its improved temperature coefficient.

- **Roof Aesthetics**
  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.

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**

**LG340N1C-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)**: 1,686 mm x 1,016 mm x 40 mm
- **Weight**: 17.1 kg
- **Glass (Material)**: Tempered Glass with AR Coating
- **Backsheet (Color)**: White
- **Frame (Material)**: Anodized Aluminum
- **Junction Box (Protection Degree)**: IP 68 with 3 Bypass Diodes
- **Cables (Length)**: 1,000 mm x 2EA
- **Connector (Type/Maker)**: MC 4/MC

### Certifications and Warranty
- **IEC 61215-1/-1-1/2:2016, IEC 61730-1/-2:2016, UL 1703**
- **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, UL/C/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**
  - **Pmax [%/°C]**: -0.36
  - **Voc [%/°C]**: -0.27
  - **Isc [%/°C]**: 0.03
  - **Pmax**: 42 ± 3

*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**: LG340N1C-V5
- **Maximum Power (Pmax)**: 340 W
- **MPP Voltage (Vmp)**: 34.5 V
- **MPP Current (Imp)**: 9.86 A
- **Open Circuit Voltage (Voc, 5%)**: 41.1 V
- **Short Circuit Current (Isc, 5%)**: 10.53 A
- **Module Efficiency**: 19.8%
- **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**: LG340N1C-V5
- **Maximum Power (Pmax)**: 254 W
- **MPP Voltage (Vmp)**: 32.3 V
- **MPP Current (Imp)**: 7.86 A
- **Open Circuit Voltage (Voc)**: 38.6 V
- **Short Circuit Current (Isc)**: 8.47 A

### I-V Curves

- **Voltage (V)**
  - 0.0
  - 10.0
  - 20.0
  - 30.0
  - 40.0

- **Current (A)**
  - 0.0
  - 2.0
  - 4.0
  - 6.0
  - 8.0
  - 10.0
  - 12.0

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Product specifications are subject to change without notice.
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