

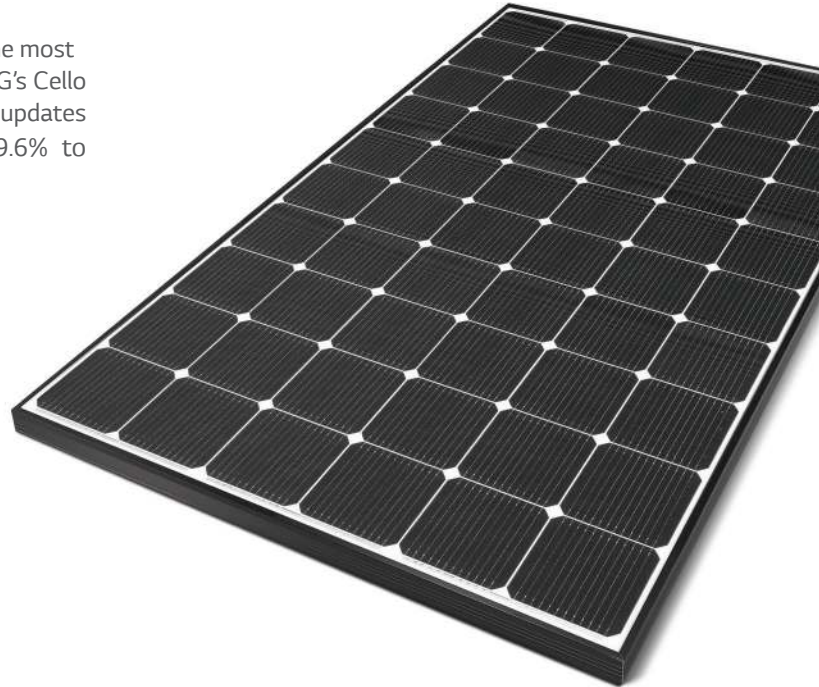
LG NeON[®] 2

LG340N1C-V5 | LG335N1C-V5

60

340W | 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 89.6% 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 to perform at minimum 89.6% of initial performance.



Enhanced Product Warranty

LG has extended the warranty of the NeON[®] 2 to 25 years, which is among the top of industry standards.



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.

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.



LG340N1C-V5 | 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) | 1,000 mm 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 |
| | ISO 9001, ISO 14001, ISO 50001 |
| | OHSAS 18001, PV CYCLE |
| 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* |

* 1) First year : 98% 2) After 1st year : 0.35% annual degradation 3) 89.6% for 25 years

Temperature Characteristics

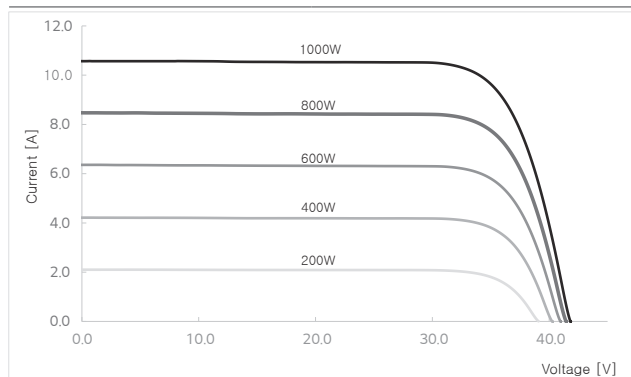
| | | |
|-------------------|--------|--------|
| NMOT [†] | [°C] | 42 ± 3 |
| Pmax | [%/°C] | -0.36 |
| Voc | [%/°C] | -0.27 |
| Isc | [%/°C] | 0.03 |

* NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

| Model | | LG340N1C-V5 | LG335N1C-V5 |
|-----------------------------|-----|-------------|-------------|
| Maximum Power (Pmax) | [W] | 254 | 250 |
| MPP Voltage (Vmpp) | [V] | 32.3 | 31.9 |
| MPP Current (Impp) | [A] | 7.86 | 7.84 |
| Open Circuit Voltage (Voc) | [V] | 38.6 | 38.5 |
| Short Circuit Current (Isc) | [A] | 8.47 | 8.43 |

I-V Curves



Electrical Properties (STC*)

| Model | | LG340N1C-V5 | LG335N1C-V5 |
|----------------------------------|-----|-------------|-------------|
| Maximum Power (Pmax) | [W] | 340 | 335 |
| MPP Voltage (Vmpp) | [V] | 34.5 | 34.1 |
| MPP Current (Impp) | [A] | 9.86 | 9.83 |
| Open Circuit Voltage(Voc, ± 5%) | [V] | 41.1 | 41.0 |
| Short Circuit Current(Isc, ± 5%) | [A] | 10.53 | 10.49 |
| Module Efficiency | [%] | 19.8 | 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 | [°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)

