

LG NeON™ 2

LG335N1C-A5

LG330N1C-A5

LG325N1C-A5

60 cell

LG's new module, LG NeON™ 2, adopts Cello technology. Cello technology replaces 3 busbars with 12 thin wires to enhance power output and reliability. LG NeON™ 2 demonstrates LG's efforts to increase customer's values beyond efficiency. It features enhanced warranty, durability, performance under real environment, and aesthetic design suitable for roofs.



Enhanced Performance Warranty

LG NeON™ 2 has an enhanced performance warranty. The annual degradation has fallen from -0.6%/yr to -0.55%/yr. Even after 25 years, the cell guarantees 1.2% more output than the previous LG NeON™ 2 modules.



High Power Output

Compared with previous models, the LG NeON™ 2 has been designed to significantly enhance its output efficiency, thereby making it efficient even in limited space.



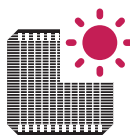
Aesthetic Roof

LG NeON™ 2 has been designed with aesthetics in mind; thinner wires that appear all black at a distance. The product may help increase the value of a property with its modern design.



Outstanding Durability

With its newly reinforced frame design, LG has extended the warranty of the LG NeON™ 2 for an additional 2 years. Additionally, LG NeON™ 2 can endure a front load up to 6000 Pa, and a rear load up to 5400 Pa.



Better Performance on a Sunny Day

LG NeON™ 2 now performs better on sunny days thanks to its improved temperature coefficient.



Double-Sided Cell Structure

The rear of the cell used in LG NeON™ 2 will contribute to generation, just like the front; the light beam reflected from the rear of the module is reabsorbed to generate a great amount of additional power.

About LG Electronics

LG Electronics is a global player who has been committed to expanding its capacity, based on solar energy business as its future growth engine. We embarked on a solar energy source research program in 1985, supported by LG Group's rich experience in semi-conductor, LCD, chemistry, and materials industry. We successfully released the first Mono X® series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, LG NeON™ (previously known as Mono X® NeON) won "Intersolar Award", which proved LG is the leader of innovation in the industry.

Mechanical Properties

| | |
|------------------------|---|
| Cells | 6 x 10 |
| Cell Vendor | LG |
| Cell Type | Monocrystalline / N-type |
| Cell Dimensions | 161.7 x 161.7 mm / 6 inches |
| # of Busbar | 12 (Multi Wire Busbar) |
| Dimensions (L x W x H) | 1686 x 1016 x 40 mm 66.38 x 40 x 1.57 inch |
| Front Load | 6000Pa |
| Rear Load | 5400Pa |
| Weight | 18 kg |
| Connector Type | MC4 |
| Junction Box | IP68 with 3 Bypass Diodes |
| Cables | 1000 mm x 2 ea |
| Glass | High Transmission Tempered Glass |
| Frame | Anodized Aluminium |

Certifications and Warranty

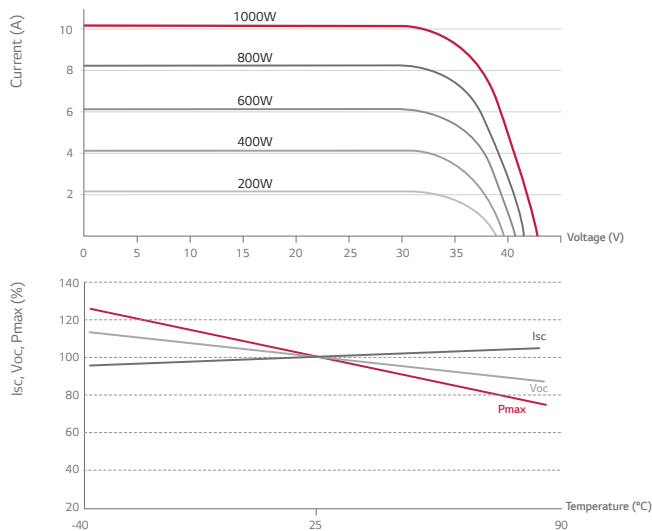
| | |
|-------------------------------|--|
| Certifications | IEC 61215, IEC 61730-1/-2 UL 1703 IEC 61701 (Salt mist corrosion test) IEC 62716 (Ammonia corrosion test) ISO 9001 |
| Module Fire Performance (USA) | Type 1 |
| Fire Rating (CANADA) | Class C (ULC / ORD C1703) |
| Product Warranty | 12 years |
| Output Warranty of Pmax | Linear warranty** |

** 1) 1st year : 98%, 2) After 2nd year : 0.55% annual degradation, 3) 25 years : 84.8%

Temperature Characteristics

| | |
|------|-----------|
| NOCT | 45 ± 3 °C |
| Pmpp | -0.37%/°C |
| Voc | -0.27%/°C |
| Isc | 0.03 %/°C |

Characteristic Curves



Electrical Properties (STC *)

| Module | LG335N1C-A5 | LG330N1C-A5 | LG325N1C-A5 |
|-----------------------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 335 | 330 | 325 |
| MPP Voltage (Vmpp) | 34.1 | 33.7 | 33.3 |
| MPP Current (Impp) | 9.83 | 9.8 | 9.77 |
| Open Circuit Voltage (Voc) | 41.0 | 40.9 | 40.8 |
| Short Circuit Current (Isc) | 10.49 | 10.45 | 10.41 |
| Module Efficiency | 19.6 | 19.3 | 19.0 |
| Operating Temperature | -40 ~ +90 | | |
| Maximum System Voltage | 1,000 | | |
| Maximum Series Fuse Rating | 20 | | |
| Power Tolerance (%) | 0 ~ +3 | | |

* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5

* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

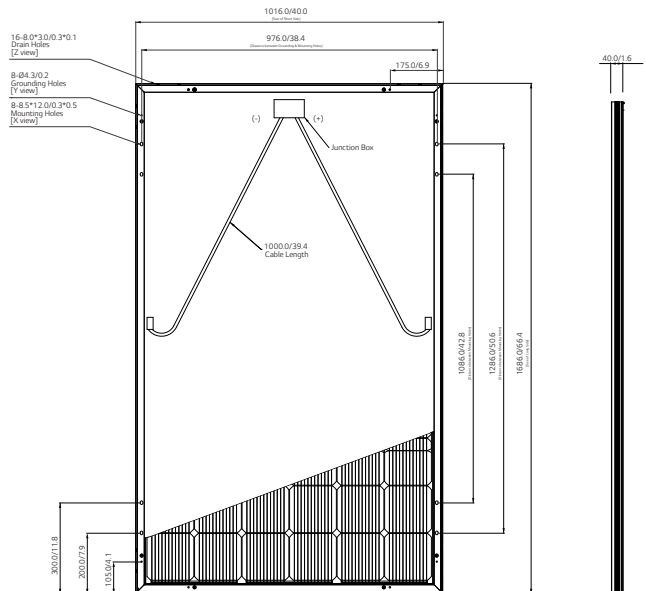
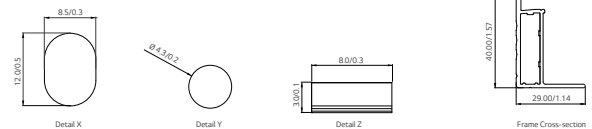
* The Typical change in module efficiency at 200W/m² in relation to 1000W/m² is -2.0%.

Electrical Properties (NOCT*)

| Module | LG335N1C-A5 | LG330N1C-A5 | LG325N1C-A5 |
|-----------------------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 247 | 243 | 240 |
| MPP Voltage (Vmpp) | 31.5 | 31.2 | 30.8 |
| MPP Current (Impp) | 7.83 | 7.81 | 7.78 |
| Open Circuit Voltage (Voc) | 38.2 | 38.1 | 38.0 |
| Short Circuit Current (Isc) | 8.44 | 8.41 | 8.38 |

* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², ambient temperature 20 °C, wind speed 1m/s

Dimensions (mm/in)



North America Solar Business Team
 LG Electronics U.S.A. Inc
 1000 Sylvan Ave, Englewood Cliffs, NJ 07632
 Contact: lg.solar@lge.com
 www.lgsolarusa.com

Product specifications are subject to change without notice.

Copyright © 2017 LG Electronics. All rights reserved.
 01/01/2017

Innovation for a Better Life

