

**LG NeON<sup>®</sup> 2** **LG325N1C-A5**

60 cell

LG's NeON<sup>®</sup> 2 module adopts Cello Technology™. Cello Technology™ replaces 3 busbars with 12 thin wires to enhance power output and reliability. The NeON<sup>®</sup> 2 demonstrates LG's efforts to increase customer value through efficiency, enhanced warranties, durability and performance.



**Enhanced Performance Warranty**

LG NeON<sup>®</sup> 2 has an enhanced performance warranty. The annual degradation has fallen from -0.6%/yr to -0.5%/yr. Even after 25 years, the cell guarantees 2.4% more output than the previous LG NeON<sup>®</sup> 2 modules.



**High Power Output**

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



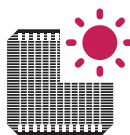
**Roof Aesthetics**

LG NeON<sup>®</sup> 2 has been designed with aesthetics in mind, using thinner wires that appear all black at a distance.



**Outstanding Durability**

With its newly reinforced frame design, LG has extended the warranty of the LG NeON<sup>®</sup> 2 for an additional 3 years. Additionally, LG NeON<sup>®</sup> 2 can endure a front load up to 6000 Pa, and a rear load up to 5400 Pa.



**Improved Performance on Sunny Days**

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



**Double-Sided Cell Structure**

The rear of the cell used in the LG NeON<sup>®</sup> 2 contributes to generation, just like the front; the light beam reflected from the rear of the module is reabsorbed to generate additional power.

**About LG Electronics**

LG Electronics is a global player who has been committed to expanding its operations with the solar market. The company first embarked on a solar energy source research programs 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 Mono X<sup>®</sup> series to the market, which is now available in 32 countries. The LG NeON™ (previously known as Mono X<sup>®</sup> NeON) and the LG NeON™ 2 won the "Intersolar Award" in 2013 and 2015, which demonstrates LG Solar's lead, innovations and commitment to 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	Tempered Glass with AR Coating
Frame	Anodized Aluminium

### Certifications and Warranty

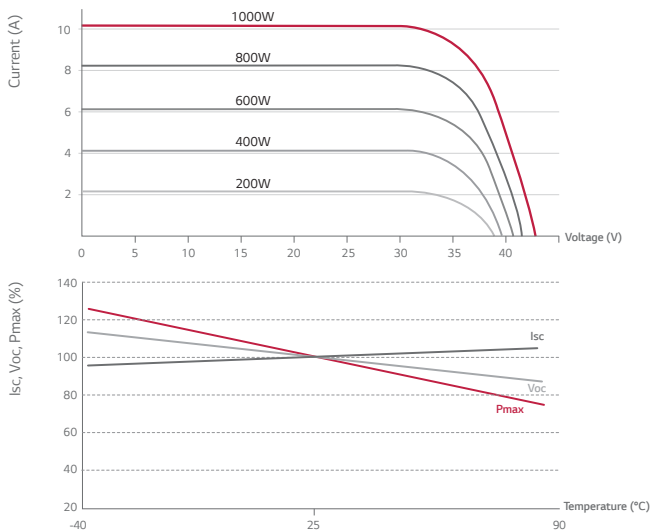
Certifications	IEC 61215, IEC 61730-1/-2 UL 1703 IEC 61701 (Salt mist corrosion test) IEC 62716 (Ammonia corrosion test) ISO 9001
Module Fire Performance (USA)	Type 1
Fire Rating (CANADA)	Class C (ULC / ORD C1703)
Product Warranty	25 years
Output Warranty of Pmax	Linear warranty**

\*\* 1) 1st year : 98%, 2) After 1st year : 0.5% annual degradation, 3) 25 years : 86%

### Temperature Characteristics

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

### Characteristic Curves



### Electrical Properties (STC \*)

Module	LG325N1C-A5
Maximum Power (Pmax)	325
MPP Voltage (Vmpp)	33.3
MPP Current (Impp)	9.77
Open Circuit Voltage (Voc)	40.8
Short Circuit Current (Isc)	10.41
Module Efficiency	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/m<sup>2</sup>, Cell 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/m<sup>2</sup> in relation to 1000W/m<sup>2</sup> is -2.0%.

### Electrical Properties (NOCT\*)

Module	LG325N1C-A5
Maximum Power (Pmax)	240
MPP Voltage (Vmpp)	30.8
MPP Current (Impp)	7.78
Open Circuit Voltage (Voc)	38.0
Short Circuit Current (Isc)	8.38

\* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1m/s

### Dimensions (mm/in)

