

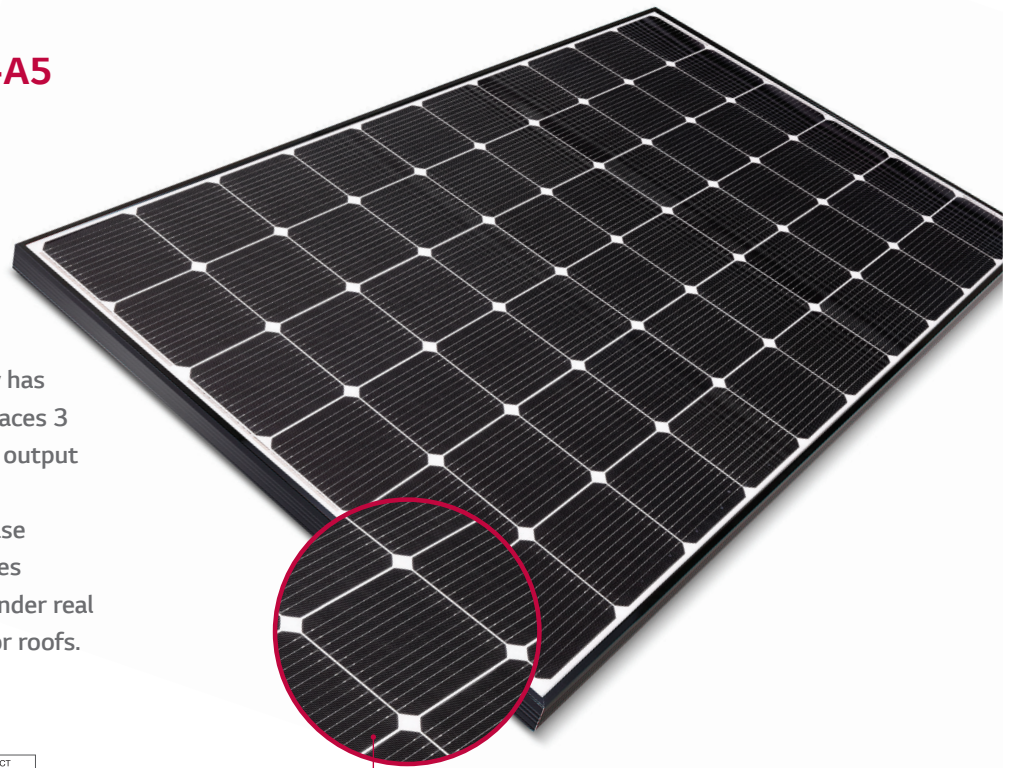
# LG NeON<sup>®</sup> 2

LG335N1C-A5 | LG330N1C-A5  
LG325N1C-A5

## 60 cell

LG's new NeON<sup>®</sup> 2 based on Cello technology has become more powerful. Cello technology replaces 3 busbars with 12 thin wires to enhance power output and reliability.

NeON<sup>®</sup> 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.



Cello Technology



## Key Features



### Enhanced Performance Warranty

LG NeON<sup>®</sup> 2 has an enhanced performance warranty. After 25 years, LG NeON<sup>®</sup> 2 is guaranteed at least 83.6% of initial performance.



### High Power Output

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



### Aesthetic Roof

LG NeON<sup>®</sup> 2 has been designed with aesthetics in mind; thinner wires that appear all black at a distance. The product can 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 NeON<sup>®</sup> 2 for an additional 2 years. Additionally, LG NeON<sup>®</sup> 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<sup>®</sup> 2 now performs better on a sunny days thanks to its improved temperature coefficient.



### Near Zero LID (Light Induced Degradation)

The n-type cells used in LG NeON<sup>®</sup> 2 have almost no boron, which may cause the initial performance degradation, leading to less LID.

## About LG Electronics

LG Electronics is a global big player, committed to expanding its operations with the solar market. 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<sup>®</sup> series to the market, which is now available in 32 countries. The NeON<sup>®</sup> (previous MonoX<sup>®</sup> NeON), NeON<sup>®</sup>2, NeON<sup>®</sup>2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG Solar's lead, innovation and commitment to the industry.



LG335N1C-A5 / LG330N1C-A5 / LG325N1C-A5

# LG NeON<sup>2</sup>

Preliminary

### 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 in
Front Load	6000Pa / 125 psf
Rear Load	5400Pa / 113 psf
Weight	18 kg / 39.68 lb
Connector Type	MC4
Junction Box	IP67 with 3 Bypass Diodes
Cables	1000 mm x 2 ea / 39.37 in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

### Electrical Properties (STC\*)

Model		LG335N1C-A5	LG330N1C-A5	LG325N1C-A5
Maximum Power (Pmax)	[W]	335	330	325
MPP Voltage (Vmpp)	[V]	34.1	33.7	33.3
MPP Current (Impp)	[A]	9.83	9.80	9.77
Open Circuit Voltage (Voc)	[V]	41.3	41.0	40.8
Short Circuit Current (Isc)	[A]	10.48	10.45	10.42
Module Efficiency	[%]	19.6	19.3	19.0
Operating Temperature	[°C]	-40 ~ +90		
Maximum System Voltage	[V]	1000		
Maximum Series Fuse Rating	[A]	20		
Power Tolerance	[%]	0 ~ +3		

\* STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, Module 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 200 W/m<sup>2</sup> in relation to 1000 W/m<sup>2</sup> is -2.0%.

### Certifications and Warranty

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

\* 1) 1st year: 98%, 2) After 2nd year: 0.6%p annual degradation, 3) 83.6% for 25 years

### Electrical Properties (NOCT\*)

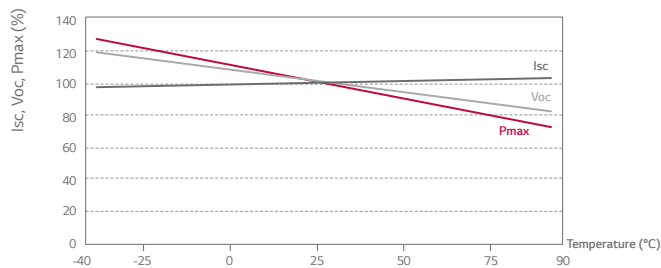
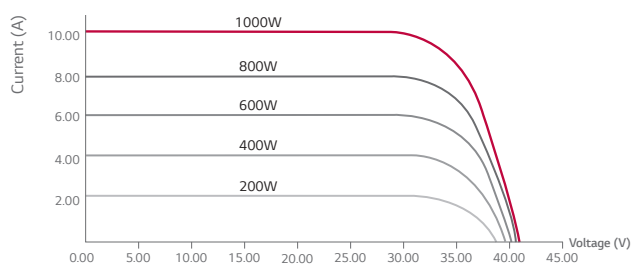
Model		LG335N1C-A5	LG330N1C-A5	LG325N1C-A5
Maximum Power (Pmax)	[W]	247	243	240
MPP Voltage (Vmpp)	[V]	31.5	31.2	30.8
MPP Current (Impp)	[A]	7.83	7.81	7.78
Open Circuit Voltage (Voc)	[V]	38.4	38.1	37.9
Short Circuit Current (Isc)	[A]	8.43	8.41	8.39

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

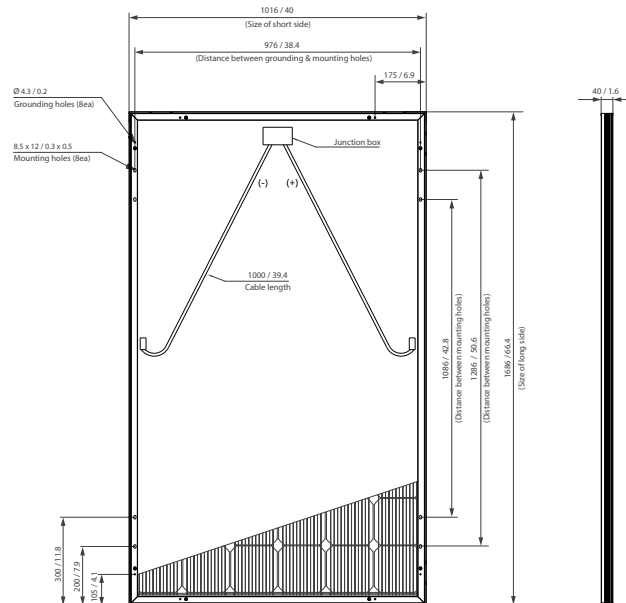
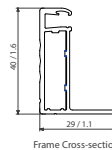
### Temperature Characteristics

NOCT	[ °C ]	45 ± 3
Pmax	[%/°C]	-0.36
Voc	[%/°C]	-0.25
Isc	[%/°C]	0.03

### Characteristic Curves



### Dimensions (mm / inch)



\* The distance between the center of the mounting/grounding holes.



LG Electronics Inc.  
 Solar Business Division  
 LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul  
 07336, Korea  
 www.lg-solar.com

Product specifications are subject to change without notice.  
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