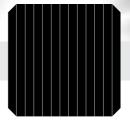


LG340N1C-A5 | LG335N1C-A5 | LG330N1C-A5



# 340W | 335W | 330W

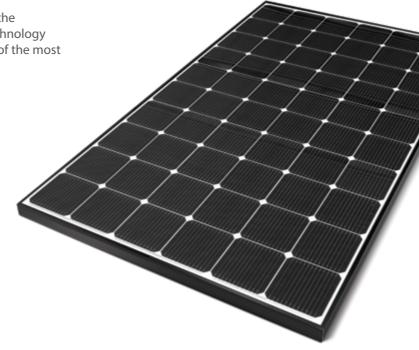
The LG NeON® 2 is LG's best selling solar module. It received the acclaimed 2015 Intersolar AWARD for featuring LG's Cello Technology that increases its power output and reliability making it one of the most powerful and versatile modules on the market.











# **Feature**



## **Enhanced Performance Warranty**

LG NeON® 2 has an enhanced performance warranty. After 25 years, LG NeON® 2 is guaranteed at least 86% of initial performance.



# **High Power Output**

Compared with previous models, the LG NeON® 2 has been designed to significantly enhance its output efficiency 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 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® 2 from 15 years to 25 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

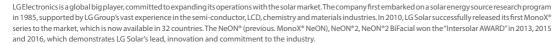
LG NeON® 2 now performs better on a sunny days thanks to its improved temperature coefficient.



## Near Zero LID (Light Induced Degradation)

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

# **About LG Electronics**







### LG340N1C-A5 | LG335N1C-A5 | LG330N1C-A5

#### **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)	1,686 x 1,016 x 40 mm
	66.38 x 40 x 1.57 in
Front Load	6,000Pa / 125 psf*
Rear Load	5,400Pa / 113 psf*
Weight	18 kg / 39.68 lb
Connector Type	MC4 (MC), PV-JM601A(JMTHY)
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,000 mm x 2 ea / 39.37 in x 2 ea
Glass	Tempered Glass with AR Coating
Frame	Anodized Aluminium

<sup>\*</sup> Please refer to the installation manual for the details.

#### **Certifications and Warranty**

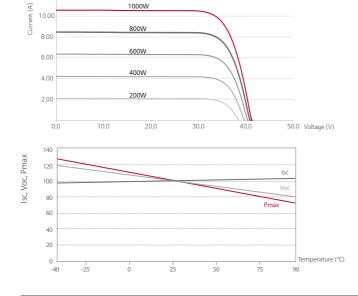
Certifications and warranty		
	IEC 61215, IEC 61730-1/-2	
	UL 1703	
Certifications	IEC 61701 (Salt mist corrosion test)	
	IEC 62716 (Ammonia corrosion test)	
	ISO 9001	
Module Fire Performance	Type 1 (UL 1703)	
Fire Rating	Class C (ULC/ORD C 1703, IEC 61730)	
Product Warranty	25 Years	
Output Warranty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

<sup>\* 1) 1</sup>st year: 98%, 2) After 1st year: 0.5% annual degradation 3) 86% for 25 years

### **Temperature Characteristics**

NOCT	[ ℃ ]	45 ± 3
Pmax	[%/°C]	-0.37
Voc	[%/°C]	-0.27
Isc	[%/°C]	0.03

#### Characteristic Curves



#### Electrical Properties (STC\*)

Model		LG340N1C-A5	LG335N1C-A5	LG330N1C-A5	
Maximum Power (Pmax)	[W]	340	335	330	
MPP Voltage (Vmpp)	[V]	34.5	34.1	33.7	
MPP Current (Impp)	[A]	9.86	9.83	9.80	
Open Circuit Voltage (Voc)	[V]	41.1	41.0	40.9	
Short Circuit Current (Isc)	[A]	10.53	10.49	10.45	
Module Efficiency	[%]	19.8	19.6	19.3	
Operating Temperature	[°C]	-40 ~ +90			
Maximum System Voltage	[V]	1000 (UL / IEC)			
Maximum Series Fuse Rating	[A]	20			
Power Tolerance	[%]	0~+3			

<sup>\*</sup> STC (Standard Test Condition): Irradiance 1000 W/ $m^2$ , cell temperature 25 °C, AM 1.5 The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

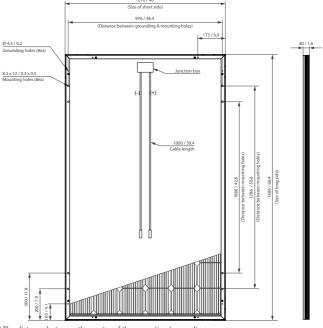
# **Electrical Properties (NOCT\*)**

Model		LG340N1C-A5	LG335N1C-A5	LG330N1C-A5			
Maximum Power (Pmax)	[W]	251	247	243			
MPP Voltage (Vmpp)	[V]	31.9	31.5	31.2			
MPP Current (Impp)	[A]	7.86	7.83	7.81			
Open Circuit Voltage (Voc)	[V]	38.3	38.2	38.1			
Short Circuit Current (Isc)	[A]	8.47	8.44	8.41			

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

#### Dimensions (mm / inch)





 $<sup>\</sup>ensuremath{^{*}}$  The distance between the center of the mounting/grounding





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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%.