

## LG340N1C-V5 | LG335N1C-V5



# 340W | 335W

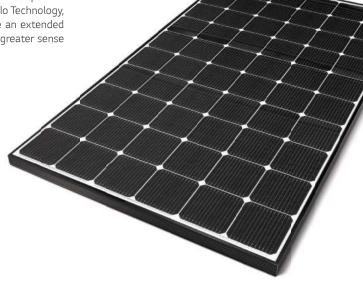
The LG NeON® 2 is LG's best selling solar module, and is one of the most powerful and versatile modules on the market today. Featuring LG's Cello Technology, the LG NeON® 2 increases power output. New updates include an extended performance warranty from 86% to 89.6% to give customers a greater sense of reliability and peace of mind.











# Feature



# **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 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 Mono 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 Solar's lead, innovation and commitment to the industry.





## LG340N1C-V5 | LG335N1C-V5

#### General Data

Octional 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 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*	

 $<sup>^{\</sup>star}$  1) First year : 98% 2) After 1st year : 0.35% annual degradation 3) 89.6% for 25years

## **Temperature Characteristics**

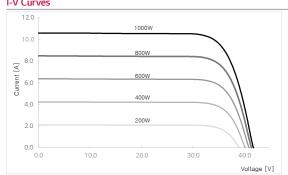
NMOT*	[ ℃ ]	42 ± 3
Pmax	[%/°C]	-0.36
Voc	[%/°C]	-0.27
Isc	[%/°C]	0.03

\* NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², Ambient temperature 20 °C,

# **Electrical Properties (NMOT)**

	LG340N1C-V5	LG335N1C-V5
[W]	254	250
[V]	32.3	31.9
[A]	7.86	7.84
[V]	38.6	38.5
[A]	8.47	8.43
	[V] [A] [V]	[W] 254 [V] 32.3 [A] 7.86 [V] 38.6

#### I-V Curves



#### Electrical Properties (STC\*)

Electrical Froperties (5	,,,		
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(lsc, ± 5%)	[A]	10.53	10.49
Module Efficiency	[%]	19.8	19.6
Power Tolerance	[%]	0 ~	+3

<sup>\*</sup> STC (Standard Test Condition): Irradiance 1000 W/m², Cell temperature 25 °C, AM 1.5

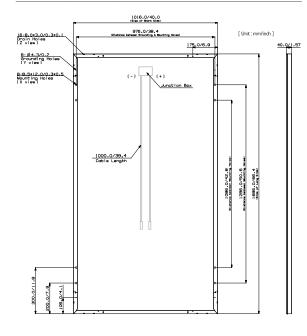
#### Operating Conditions

operating contactions		
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)





Solar Business Division LG Twin Towers, 128 Yeoui-daero, Yeongdeungpo-gu, Seoul

Product specifications are subject to change without notice. DS-V5-60-C-G-F-EN-81105



