

LG NeON[®] 2

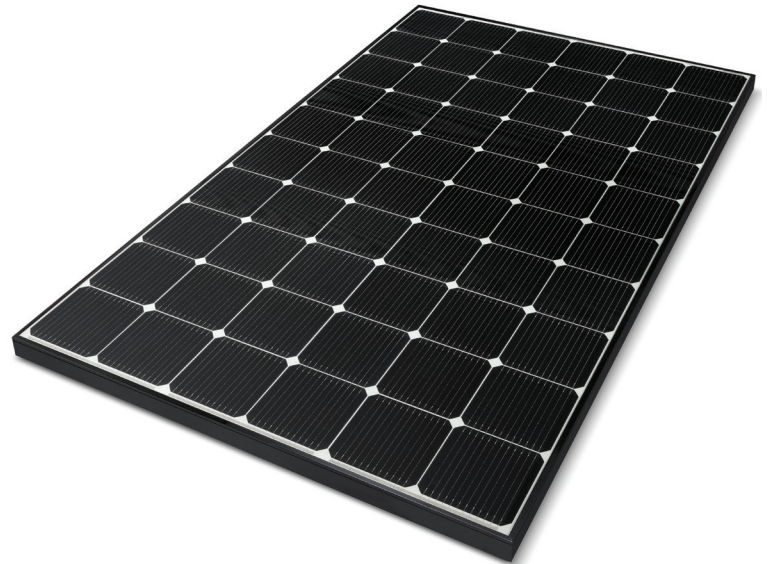
LG330N1C-A5



60

330W

The LG NeON[®] 2 BiFacial is LG's best selling solar module. The LG NeON[®] 2 received the acclaimed 2015 Intersolar AWARD for featuring LG's Cello Technology, which increases power output and reliability and makes the LG NeON[®] 2 one of the most powerful and versatile modules on the market.



Features



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.



Enhanced Product Warranty

LG has extended the limited warranty of the NeON[®] 2 to 25 years including labor, which is top level in the industry.



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.



Bifacial Energy Yield

LG NeON[®] 2 modules use a highly efficient bifacial solar cell, "NeON" applied Cello technology for better energy production than standard monofacial PV module.



Better Performance on a Sunny Day

LG NeON[®] 2 now performs better on 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. This leads to less LID (Light Induced Degradation) right after installation.

When you go solar, ask for the brand you can trust: LG Solar

About LG Electronics USA, Inc.

LG Electronics is a global leader in electronic products in the clean energy markets by offering solar PV panels and energy storage systems. 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[®] 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's leadership and innovation in the solar industry.



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
Number of Busbars	12 (Multi Wire Busbar)
Dimensions (L x W x H)	1,686 x 1,016 x 40mm
	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)
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,000mm x 2 ea / 39.37 in x 2 ea
Glass	Tempered Glass with AR Coating
Frame	Anodized Aluminium

*Please refer to the installation manual for the details.

Certifications and Warranty

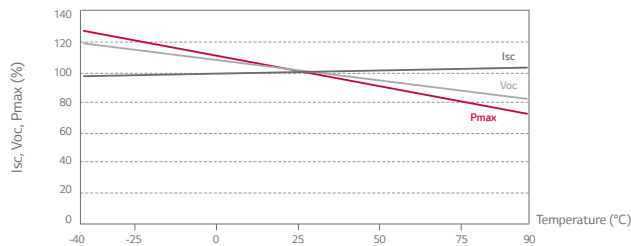
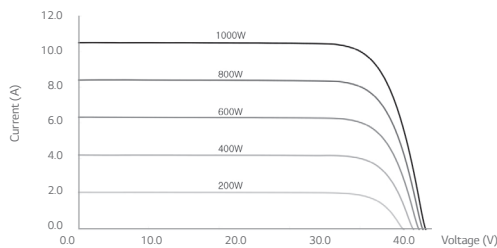
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Type 1 (UL 1703)
Fire Rating	Class C (ULC/ORD C 1703, IEC 61730)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

*Improved: 1st year 98%, from 2-24th year: 0.5% annual degradation, 86% at year 25

Temperature Characteristics

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

Characteristic Curves



Electrical Properties

Model	LG330N1C-A5	
Maximum Power (Pmax)	[W]	330
MPP Voltage (Vmpp)	[V]	33.7
MPP Current (Impp)	[A]	9.80
Open Circuit Voltage (Voc)	[V]	40.9
Short Circuit Current (Isc)	[A]	10.45
Module Efficiency	[%]	19.3
Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1000 (UL / IEC)
Maximum Series Fuse Rating	[A]	20
Bifaciality Coefficient of Power	[%]	10
Power Tolerance	[%]	0 ~ +3

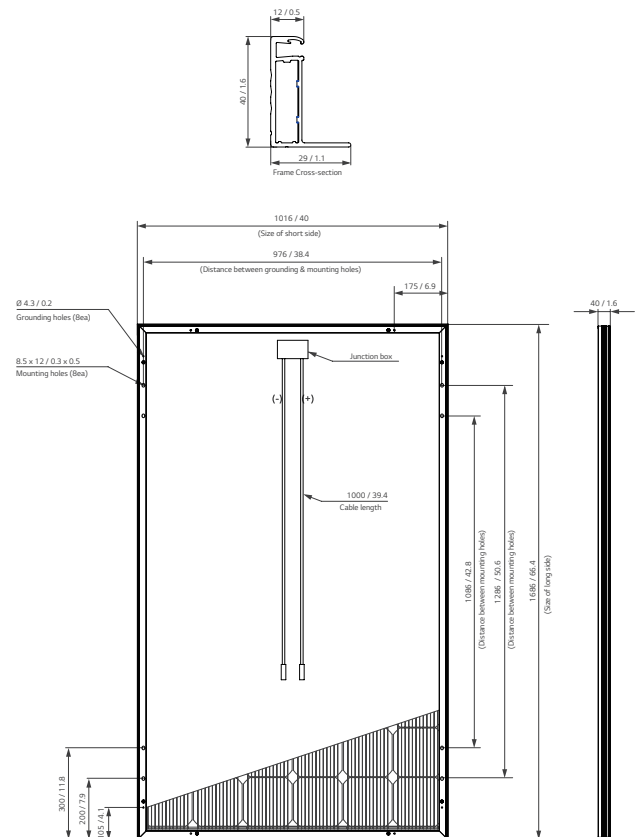
*STC (Standard Test Condition): Irradiance 1000W/m², Cell temperature 25°C, AM 1.5
The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Electrical Properties (NOCT*)

Model	LG330N1C-A5	
Maximum Power (Pmax)	[W]	243
MPP Voltage (Vmpp)	[V]	31.2
MPP Current (Impp)	[A]	7.81
Open Circuit Voltage (Voc)	[V]	38.1
Short Circuit Current (Isc)	[A]	8.41

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

Dimensions (mm/inch)



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