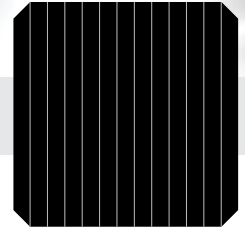


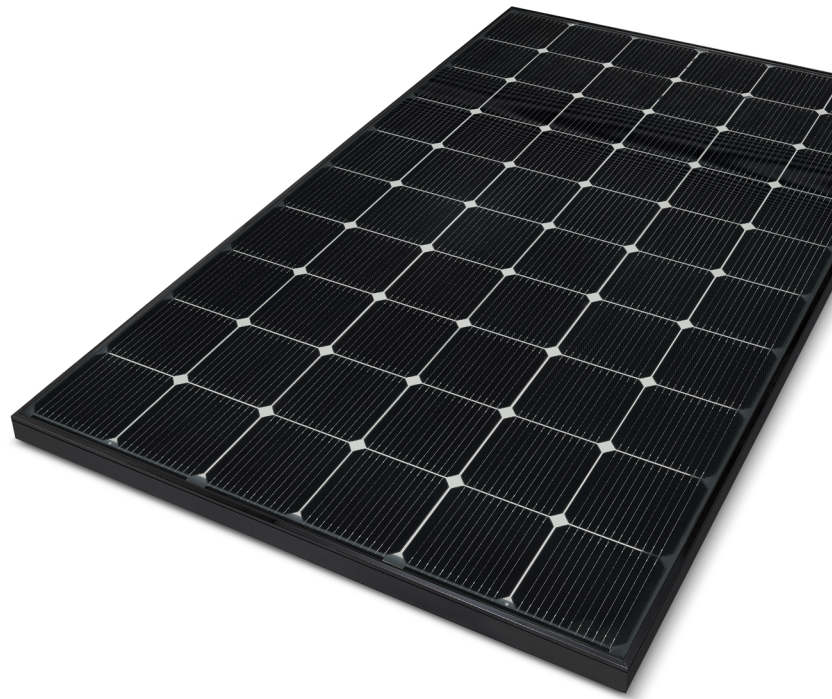
# LG NeON<sup>®</sup> 2 BiFacial



60

## 340W | 335W | 330W

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



## Feature



### Roof Aesthetics

LG NeON<sup>®</sup> 2 has been designed with aesthetics in mind using transparent backsheet. The LG NeON<sup>®</sup> 2 can increase the value of a your home with its modern design.



### Enhanced Product warranty

LG has extended the warranty of the NeON<sup>®</sup> 2 to 25 years, which is among the top of industry standards.



### Better Performance on Sunny Day

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

## 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.



# LG NeON<sup>®</sup> 2 BiFacial

## LG340N1T-V5 | LG335N1T-V5 | LG330N1T-V5

### Electrical Properties (STC\*)

		LG340N1T - V5			LG335N1T - V5			LG330N1T - V5		
		STC*	BiFi100**	BiFi200**	STC*	BiFi100**	BiFi200**	STC*	BiFi100**	BiFi200**
Maximum Power (Pmax)	[W]	340	360	380	335	355	375	330	350	370
MPP Voltage (Vmpp)	[V]	34.4	34.4	34.4	34.1	34.1	34.1	33.8	33.8	33.8
MPP Current (Impp)	[A]	9.89	10.47	11.05	9.83	10.41	11.00	9.77	10.36	10.95
Open Circuit Voltage (Voc, ±5%)	[V]	40.8	40.8	40.8	40.7	40.7	40.7	40.6	40.6	40.6
Short Circuit Current (Isc, ±5%)	[A]	10.38	10.98	11.59	10.34	10.95	11.57	10.30	10.92	11.54
Module Efficiency	[%]	19.8	21.0	22.2	19.6	20.7	21.9	19.3	20.4	21.6
Pmax Bifaciality Coefficient	[%]				70 ± 5					
Power Tolerance	[%]				0 ~ +3					

\* STC(Standard Test Condition) : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5, Measure Tolerance : ±3%

\*\* The electrical properties of BiFi100 and BiFi200 measure under the front irradiance 1000W/m<sup>2</sup> + (1000W/m<sup>2</sup> or 200W/m<sup>2</sup>)\*BiFi. Use 100W/m<sup>2</sup> for BiFi100 and 200W/m<sup>2</sup> for BiFi200

### Electrical Properties (NMOT\*)

Model		LG340N1T - V5			LG335N1T - V5			LG330N1T - V5		
		STC*	BiFi100**	BiFi200**	STC*	BiFi100**	BiFi200**	STC*	BiFi100**	BiFi200**
Maximum Power (Pmax)	[W]	255	270	285	251	266	281	247	262	277
MPP Voltage (Vmpp)	[V]	32.3	32.3	32.3	32.0	32.0	32.0	31.7	31.7	31.7
MPP Current (Impp)	[A]	7.89	8.35	8.81	7.84	8.31	8.78	7.80	8.26	8.74
Open Circuit Voltage (Voc)	[V]	38.3	38.3	38.3	38.2	38.2	38.2	38.1	38.1	38.1
Short Circuit Current (Isc)	[A]	8.34	8.82	9.31	8.31	8.80	9.29	8.28	8.77	9.27

### General Data

Cell Properties(Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Number of Busbar	12EA
Module Dimensions (L x W x H)	1,686mm x 1,016mm x 40 mm
Weight	17.1kg
Glass(Thickness / Material)	2.8mm / Tempered Glass with AR coating
Backsheet(Color)	Transparent
Frame(Material)	Anodized Aluminium
Junction Box(Protection Degree)	IP68 with 3 Bypass Diodes
Cables(Length)	1,000 mm x 2 EA
Connector(Type / Maker)	MC 4 / MC

### Operating Conditions

Operating Temperature	[°C]	-40 ~ +90
Maximum System Voltage	[V]	1,000(IEC) / 1,000(UL)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load(Front)	[Pa / psf]	5,400 / 113
Mechanical Test Load(Rear)	[Pa / psf]	4,000 / 84

\* Mechanical Test Load 5,400Pa / 4,000Pa based on IEC 61215-2 : 2016

(Test Load = Design Load x Safety Factor(1.5))

### Temperature Characteristics

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

\* NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m<sup>2</sup>, Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5

### 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
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 (ULC/ORD C 1703, IEC 61730)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

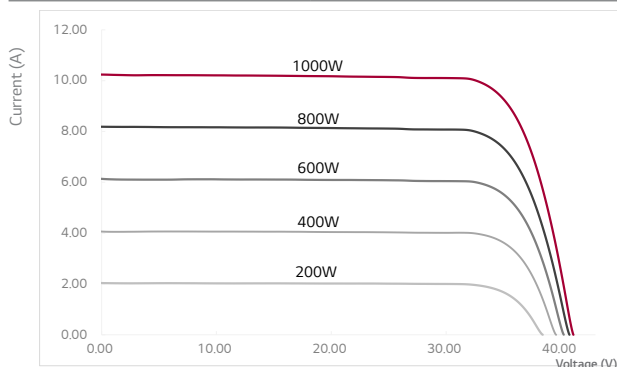
\* Under BiFi100 conditions, 1st year : 104.4%, after 1st year : 0.35 annual degradation, 95.4% for 25 years

\*\* Based on STC max power

### 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

### I-V Curves



### Dimensions (mm / inch)

