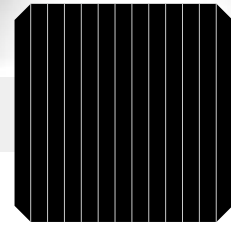


# LG NeON<sup>®</sup>2 BiFacial



60

## 345W | 340W | 335W

The LG NeON<sup>®</sup>2 series is LG's best selling solar module.

The 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 The LG NeON<sup>®</sup>2 one of the most powerful and versatile modules on the market.



## Feature



### Enhanced Product Warranty

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



### More Generation Per Square Meter

The LG NeON<sup>®</sup>2 BiFacial has been designed to significantly enhance output - making it efficient even in a limited space.

## 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.



### Electrical Properties

Model	LG345N1T-L5			LG340N1T-L5			LG335N1T-L5			
	STC*	BiFi100**	BiFi200**	STC*	BiFi100**	BiFi200**	STC	BiFi100**	BiFi200**	
Maximum Power (Pmax)	[W]	345	365	390	340	360	385	335	355	380
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]	10.03	10.61	11.34	9.97	10.56	11.29	9.91	10.50	11.24
Open Circuit Voltage (Voc, ± 5%)	[V]	41.3	41.3	41.3	41.2	41.2	41.2	41.1	41.1	41.1
Short Circuit Current (Isc, ± 5%)	[A]	10.50	11.11	11.87	10.46	11.08	11.85	10.42	11.04	11.82
Module Efficiency	[%]	20.0	21.1	22.6	19.7	20.8	22.3	19.4	20.6	22.0
Pmax Bifaciality Coefficient	[%]				75 ± 5					
Power Tolerance	[%]				0 ~ +3					

\* STC (Standard Test Condition) : Irradiance 1000 W/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 side irradiance 1000W/m<sup>2</sup> + (100W/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	LG345N1T-L5			LG340N1T-L5			LG335N1T-L5			
	STC	BiFi100	BiFi200	STC	BiFi100	BiFi200	STC	BiFi100	BiFi200	
Maximum Power (Pmax)	[W]	258	273	292	255	270	288	251	266	285
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]	8.00	8.46	9.04	7.95	8.42	9.00	7.90	8.37	8.96
Open Circuit Voltage (Voc)	[V]	38.9	38.9	38.9	38.8	38.8	38.8	38.7	38.7	38.7
Short Circuit Current (Isc)	[A]	8.44	8.93	9.54	8.41	8.91	9.52	8.38	8.88	9.51

### 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)	1,700 x 1,016 x 40mm
Weight	18.0kg
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)	1,000mm x 2EA
Connector (Type / Maker)*	MC4 / MC

\* PV-C002 / UKT for Korea and Japan

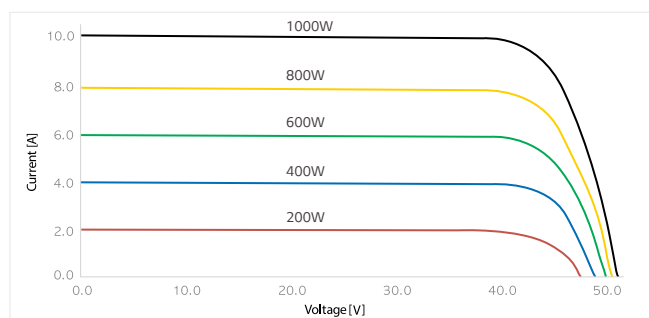
### Certifications and Warranty

Certifications	IEC 61215-1/-1-1 / 2 : 2016, IEC 61730-1/2 : 2016, UL 61730-1/-2 : 2017
	ISO 9001, ISO 14001, ISO 50001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Module Fire Performance	Type 1 (UL 61730)
Fire Rating	Class C (UL 790)
Product Warranty	25 Years
Output Warranty of Pmax	Initial 107.0%, 1 Year 104.9%, Annual -0.35%

### 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]	485

### Characteristic Curves



### Operating Conditions

Operating Temperature*	[°C]	-40 ~ 85
Maximum System Voltage	[V]	1,000 (IEC) / 1,000 (UL)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa]	5,400 / 113
Mechanical Test Load (Rear)	[Pa]	4,000 / 84

\* The operating ambient temperature of these devices may exceed 40°C at full load for all wire sizes if is determined suitable in the field use application.

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

### Temperature Characteristics

NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.35
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.03

\* NMOT (Nominal Module Operating Temperature) : Irradiance 800 W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM1.5

### Dimensions (mm/inch)

