

# LG NeON<sup>®</sup>H BiFacial

The LG NeON<sup>®</sup>H BiFacial is one of the most powerful and versatile modules on the market today. The LG NeON<sup>®</sup>H BiFacial is designed to absorb sunlight from both the front and rear sides of its cells by using a transparent back sheet, providing up to 30% higher electricity production.

## 365W | 360W

### FEATURES

#### Enhanced Performance Warranty

**96.4%**  
in year 25

LG NeON<sup>®</sup>H BiFacial comes with an enhanced performance warranty. After 25 years of use, the LG NeON<sup>®</sup>H BiFacial is guaranteed to provide at least 96.4% of initial performance.

**25**  
YEARS  
WARRANTY

#### Industry-Leading Product Warranty

LG offers an industry-leading 25 year product warranty on the NeON<sup>®</sup>H BiFacial.



#### Reliable Quality

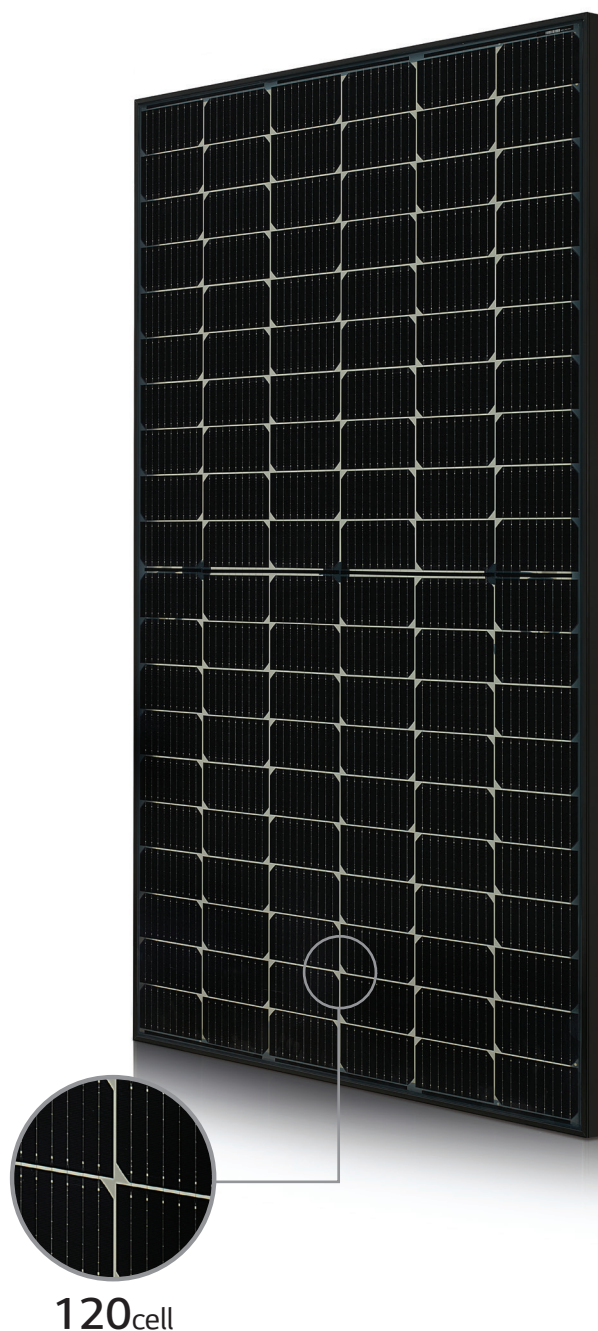
LG NeON<sup>®</sup>H BiFacial offers reliable and proven quality through rigorous testing\*.



#### More Generation In Less Space

LG NeON<sup>®</sup>H BiFacial is designed for efficient use even in limited space thanks to its output-enhancing dual-side absorption of sunlight.

\* LG is subject to rigorous quality verification through PVEL PQP test. The PVEL PQP includes test sequences examining both the reliability and performance characteristics of PV modules.



#### About LG Electronics

LG is transforming today's solar landscape, offering high-efficiency solar panels for customers who demand high performance, reliability and consistently strong energy yield from a brand they can trust. LG's modules feature high power outputs, outstanding durability, appealing aesthetics and high-efficiency technology.



# LG NeON<sup>®</sup>H BiFacial

LG365N1T-E6 / LG360N1T-E6

## Electrical Properties

Model	LG365N1T-E6			LG360N1T-E6			
	STC*	BiFi100**	BiFi200**	STC	BiFi100**	BiFi200**	
Maximum Power (Pmax)	[W]	365	390	415	360	385	410
MPP Voltage (Vmpp)	[V]	34.7	34.7	34.7	34.5	34.5	34.5
MPP Current (Impp)	[A]	10.54	11.24	11.96	10.46	11.16	11.88
Open Circuit Voltage (Voc, ± 5%)	[V]	41.3	41.3	41.3	41.2	41.2	41.2
Short Circuit Current (Isc, ± 5%)	[A]	11.08	11.82	12.58	10.98	11.71	12.47
Module Efficiency	[%]	19.8	21.2	22.5	19.5	20.9	22.3
Pmax Bifaciality Coefficient	[%]	70 ± 5					
Power Tolerance	[%]	0 - +3					

\* STC (Standard Test Condition) : Irradiance 1,000W/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 1,000W/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	LG365N1T-E6			LG360N1T-E6			
	NMOT	BiFi100	BiFi200	NMOT	BiFi100	BiFi200	
Maximum Power (Pmax)	[W]	276	294	314	272	291	310
MPP Voltage (Vmpp)	[V]	32.6	32.6	32.6	32.5	32.5	32.5
MPP Current (Impp)	[A]	8.44	9.01	9.62	8.38	8.96	9.55
Open Circuit Voltage (Voc)	[V]	38.9	38.9	38.9	38.7	38.7	38.7
Short Circuit Current (Isc)	[A]	8.92	9.52	10.17	8.84	9.45	10.07

## General Data

Cell Properties (Material / Type)	Monocrystalline / N-type
Cell Maker	LG
Cell Configuration	120 Cells (6 x 20)
Number of Busbars	9 EA
Module Dimensions (L x W x H)	1,768 x 1,042 x 40 mm
Weight	18.5 kg
Glass (Material)	Tempered Glass with AR coating
Backsheet (Color)	Transparent
Frame (Material)	Anodized Aluminium
Junction Box (Protection Degree)	IP 68 with 3 Bypass Diodes
Cables (Length)	1,200 mm x 2 EA
Connector (Type / Maker)	MC4 / Stäubli

## 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
Mechanical Test Load* (Rear)	[Pa]	4,000

\* Based on IEC 61215-2 : 2016 (Test Load = Design Load x Safety Factor(1.5))

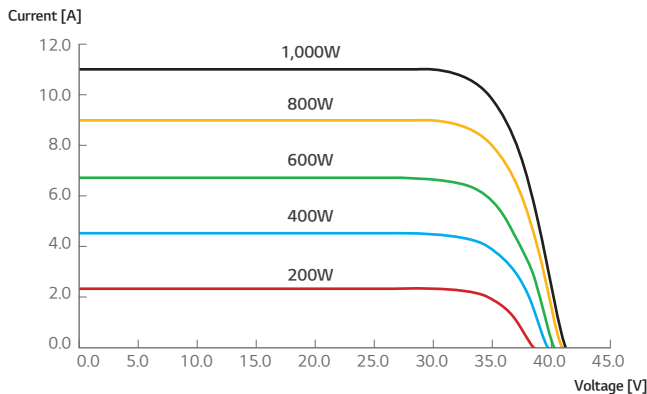
## Temperature Characteristics

NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.33
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.04

\* NMOT (Nominal Module Operating Temperature)

: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

## I-V Curves



## Certifications and Warranty

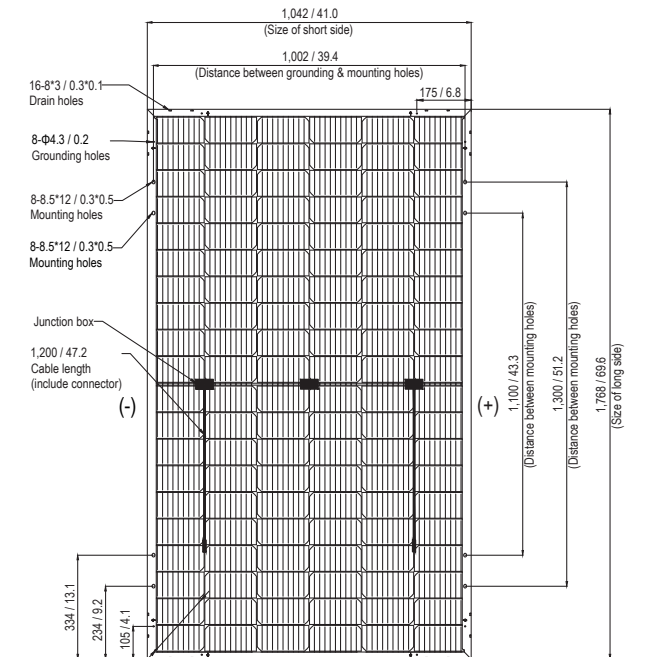
Certifications	IEC 61215-1 / -1-1 / 2:2016, IEC 61730-1 / 2:2016, UL 61730-1:2017, UL 61730-2:2017
	ISO 9001, ISO 14001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2011 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Module Fire Performance	Type 1 (UL 61730)
Fire Rating	Class C (UL 790)
Solar Module Product Warranty	25 Years
Solar Module Output Warranty	Linear Warranty*

\* Initial 107%, 1st year 105.4%, After 1st year : -0.35% / year, 96.4% for 25 years (Based on BiFi100)

## Packaging Configuration

Number of Modules Per Pallet	[EA]	25
Number of Modules Per 40ft HQ Container	[EA]	600
Packaging Box Dimensions (L x W x H)	[mm]	1,810 x 1,120 x 1,213
Packaging Box Gross Weight	[kg]	498

## Dimensions (mm/inch)



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Product specifications are subject to change without notice.

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