

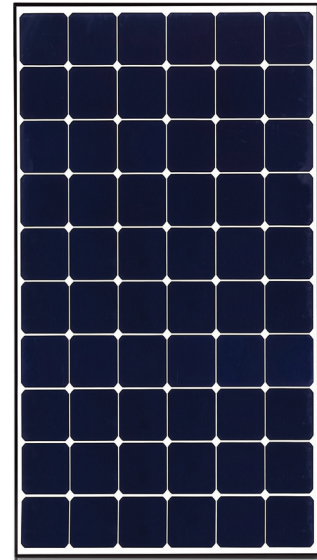
# LG NeON<sup>®</sup> R ACe

LG370A1C-V5 | LG375A1C-V5 | LG380A1C-V5

60

370W | 375W | 380W

LG NeON<sup>®</sup> ACe is a high-power AC module based on our premium NeON<sup>®</sup> R series. The NeON<sup>®</sup> ACe is a smart AC module that is easy to install and monitor, provides increased flexibility for array design and is an excellent solution for home installation.



## Features



### High Output and Efficiency

The LG NeON<sup>®</sup> R series has been designed for high-power output making it efficient even in limited space.



### 25-Year Warranty

The NeON<sup>®</sup> R series offers a 25-year limited warranty for performance, product and labor. At 25 years, the modules are guaranteed to produce at least 90.8% of their labeled power output.



### Roof Aesthetics

The LG NeON<sup>®</sup> R series has been designed with aesthetics in mind; with no electrodes on the front, the modules have a sleek, modern appearance.



### Flexible Array Design

The LG NeON<sup>®</sup> R ACe provides flexibility in array design, with simple accessories and cable connections.



### Excellent Performance on Hot Days

The LG NeON<sup>®</sup> R series performs well on hot days due to a low temperature coefficient.



### Easy Monitoring

LG NeON<sup>®</sup> R ACe connects quickly and easily to the Internet. Registering the modules onto the system is a simple process.

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

## About LG Electronics

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<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's leadership and innovation in the solar industry.

LG Solar

## General Data

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	30 EA (Multi Wire Busbar)
Dimensions (L x W x H)	1,700 x 1,016 x 40 mm
Weight	19.0 kg
Mechanical Test Load*	5,400Pa (Front)/4,000Pa (Rear)
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Outdoor - NEMA 250 type 6 (Micro Inverter)
Operating Ambient Temperature	-40 ~ +65°C (-40 ~ +149°F)
Storage Temperature	-40 ~ +90°C (-40 ~ +194°F)
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium
Inverter Model (Grid Support Utility Interactive)	LM320UE-A2

\*Mechanical Test Load 5,400pa/4,000pa based on IEC 61215 - 2:2016 (Test Load = Design Load x Safety Factor (x1.5))

## Certifications and Warranty

Certifications	UL1741*, UL1703*, IEEE1547* FCC Part 15 Class B*
Module Fire Performance	Type 1 (UL 1703)*
Solar Module Product Warranty	25 years
Micro Inverter Warranty	25 Years
Output Warranty of Pmax (DC) (Measurement Tolerance ± 3%)	Linear Warranty**

\*In progress

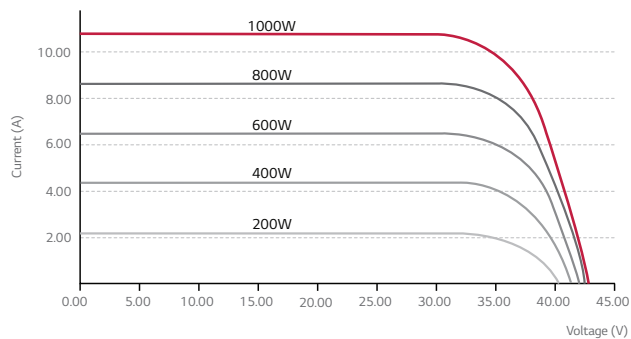
\*\*Improved: 1st year 98%, from 2-24th year: 0.3%/year down, after 25th year: 90.8%

## DC Temperature Characteristics

NOCT*	[°C]	44±3
Pmax	[%/°C]	-0.3
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

\*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Characteristic Curves



## DC Electrical Properties (STC\*)

Model		LG370A1C-V5	LG375A1C-V5	LG380A1C-V5
Maximum Power (Pmax)**	[W]	370	375	380
Module Efficiency	[%]	21.4	21.7	22.0
Power Tolerance	[%]	0 ~ +3		

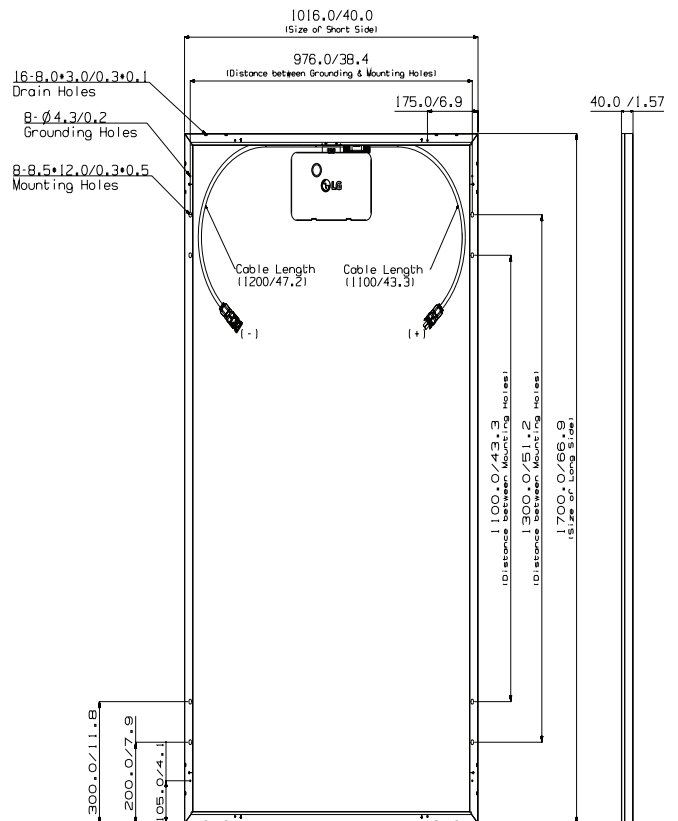
\*STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, Cell temperature 25°C, AM 1.5

\*\*Measurement Tolerance of Pmax: ±3%

## AC Electrical Properties

		@240VAC	@208VAC
Max. Continuous Output Power	[VA]	320	
Nominal Voltage/Range	[V]	240/211~264	208/183~229
Nominal Output Current	[A]	1.33	1.54
CEC Weighted Efficiency	[%]	97.0	96.5
Cable Length (only cable length)	[mm]	Cable 1 : 1,200	Cable 2 : 1,100
Number of Max. AC Modules	[EA]	12	10
Nominal Frequency/Range	[Hz]	60.0 / 59.3-60.5	
Power Factor/Adjustable		1/0.8leading...0.8lagging	
Max. Branch Circuit Over Current Protection	[A]	20	

## Dimensions (mm/inch)



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

