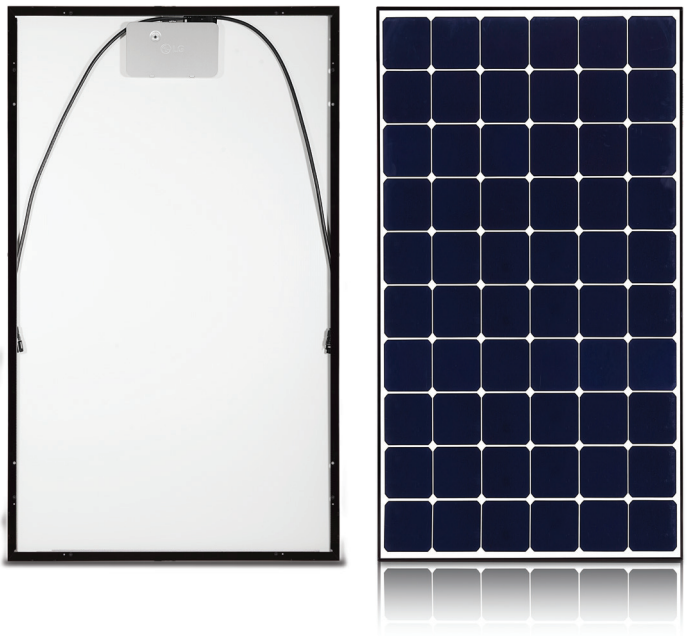
LG NeON®R ACe

60

LG370A1C-V5 | LG375A1C-V5 | LG380A1C-V5

370W | 375W | 380W

LG NeON® ACe is a high-power AC module based on our premium NeON® R series. The NeON® 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.



25 YEAR
PARTS • PERFORMANCE • LABOR
WARRANTY

Features

High Output and Efficiency

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

25-Year Warranty

The NeON® 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® 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® R ACe provides flexibility in array design, with simple accessories and cable connections.

Excellent Performance on Hot Days

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

Easy Monitoring

LG NeON® 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® 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.

LG Solar

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Preliminary

General Data

Cells	6 x10
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	UL1703, UL1741, UL1741 SA, 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**

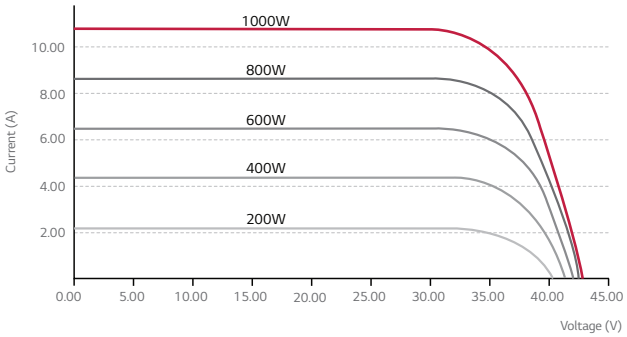
*In progress
**Improved: 1st year 98%, from 2-24th year: 0.3%/year down, after 25th year: 90.8%

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/m², ambient temperature 20°C, wind speed 1m/s

Characteristic Curves



DC Electrical Properties (STC*)

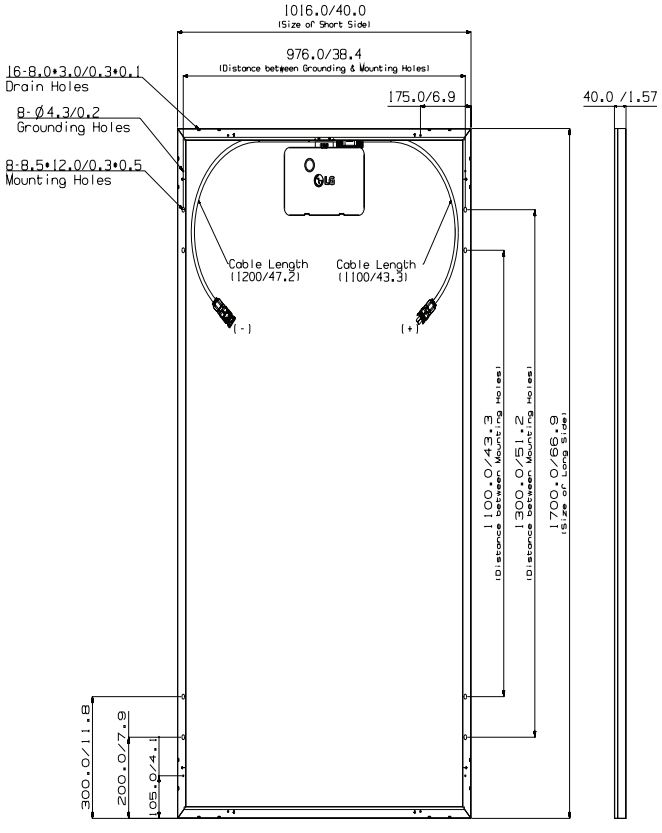
Model		LG370A1C-V5	LG375A1C-V5	LG380A1C-V5
Maximum Power (Pmax)**	[W]	370	375	380
Module Efficiency	[%]	21.4	21.7	22.0
Power Tolerance	[%]	0 ~+3		

*STC (Standard Test Condition): Irradiance 1000 W/m², 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.

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Product specifications are subject to change without notice.
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