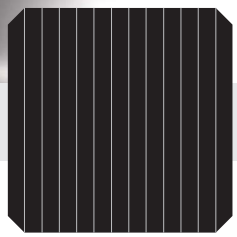
LG NeON®2 ACe



60

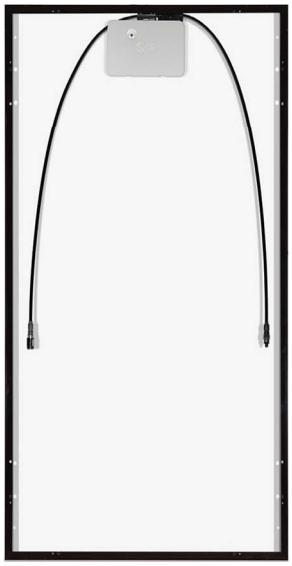
LG375M1C-A6 | LG380M1C-A6 | LG385M1C-A6 Preliminary

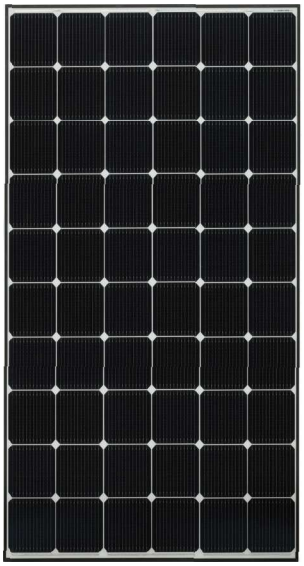
375W | 380W | 385W

LG NeON® ACe is a high-power AC module based on our NeON® 2 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
PRODUCT • PERFORMANCE • LABOR
WARRANTY

c UL us





Features

High Output and Efficiency

The LG NeON® 2 series has been designed for high-power output making it efficient even in limited space.

25-Year Warranty

The NeON® 2 series offers a 25-year limited warranty for performance, product and labor. At 25 years, the modules are guaranteed to produce at least 90.6% of their labeled power output.

Roof Aesthetics

LG NeON® 2 has been designed with aesthetics in mind using thinner wires that appear all black at a distance.

Flexible Array Design

The LG NeON® 2 ACe provides flexibility in array design, with simple accessories and cable connections.

Solid Performance on Hot Days

The LG NeON® 2 series performs well on hot days due to its low temperature coefficient.

Easy Monitoring

LG NeON® 2 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 USA, Inc.

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
Life's Good

LG NeON®2

Preliminary

LG375M1C-A6 | LG380M1C-A6 | LG385M1C-A6

General Data

Cell Properties (Material/Type)	Monocrystalline/N-type
Cell Maker	LG
Cell Configuration	60 Cells (6 x 10)
Module Dimensions (L x W x H)	1,740mm x 1,042mm x 40mm
Weight	20.2 kg
Glass (Thickness/Material)	2.8 mm/Tempered Glass with AR coating
Backsheet (Color)	White
Frame (Material)	Anodized Aluminium
Microinverter	LM320UE-A2

Certifications and Warranty

Certifications**	ISO 9001, ISO 14001, ISO 50001, OHSAS 18001
	UL1741, IEEE1547, UL1741SA (FCC Part 15 Class B)
Salt Mist Corrosion Test	IEC 61701:2011 Severity 6
Module Fire Performance	Type 1
Solar Module Product Warranty	25 Year Limited
Solar Module Output Warranty of Pmax	Linear Warranty*

*Improved: 1st year 98.5%, from 2-24th year: 0.33%/year down, 90.6% at year 25
**In Progress

AC Cable Properties

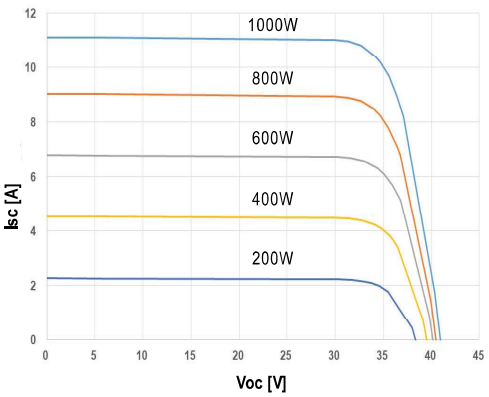
Standard	UL97032
Rated Voltage/Current	600Vac/20A
Wire Size Range	3C 12AWG
Cable Length (only cable length)	Cable 1: 1,200mm, Cable 2: 1,100mm
Protection Degree	IP68
Diameter range of cable	¢11mm

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

AC Electrical Properties

Power (Inverter Rated continuous)	[W]	320W (AC)	
Voltage (Rated Output)	[V]	240 (211~264)	208 (183~229)
Current (Rated Output)	[A]	1.33	1.54
Frequency (Nominal)	Hz	60 (59.3~60.5)	
Frequency (Extended)	Hz	57~63Hz	
Power Factor (adjustable)		1/0.8 leading...0.8agging	
Maximum units per 20A Branch circuit	[EA]	12.00	10.00
CEC Weighted Efficiency*	[%]	97.00	96.50

I-V Curves



DC Electrical Properties (STC*)

Model		LG375M1C-A6	LG380M1C-A6	LG385M1C-A6
Maximum Power (Pmax)	[W]	375	380	385
MPP Voltage (Vmpp)	[V]	35.3	35.7	36.1
MPP Current (Impp)	[A]	10.63	10.65	10.67
Open Circuit Voltage (Voc, ± 5%)	[V]	41.8	41.9	42.0
Short Circuit Current (Isc, ± 5%)	[A]	11.35	11.39	11.43
Module Efficiency	[%]	20.7	21.0	21.2
Power Tolerance	[%]	0 ~ +3		

*STC (Standard Test Condition): Irradiance 1000 W/m², cell temperature 25°C

Mechanical Properties

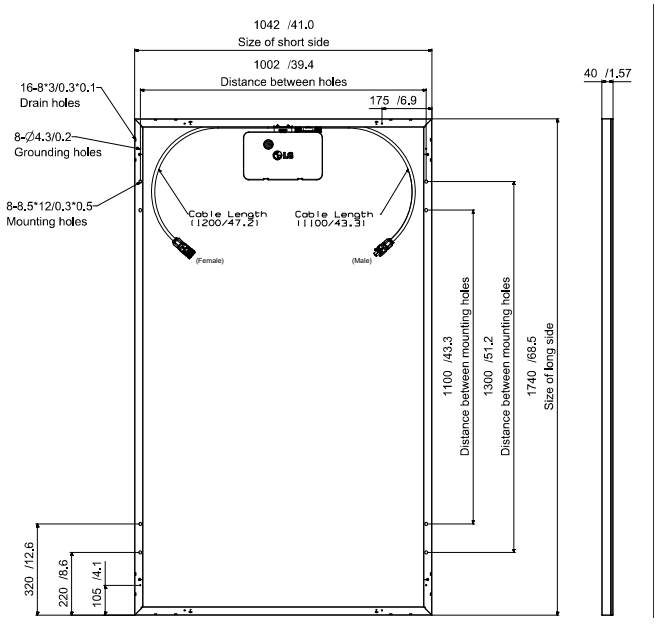
Operating Temperature	[°C]	-40 ~+65
Storage Temperature	[°C]	-40 ~+65
Mechanical Test Load* (Front)	[Pa/psf]	5,400/113
Mechanical Test Load* (Rear)	[Pa/psf]	4,000/84

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

Packaging Configuration

Number of Modules per Pallet	[EA]	25
Number of Modules per 40' Container	[EA]	650
Number of Modules per 53' Container	[EA]	850
Packaging Box Dimensions (L x W x H)	[mm]	1,790 x 1,120 x 1,213
Packaging Box Dimensions (L x W x H)	[in]	70.5 x 44.1 x 47.8
Packaging Box Gross Weight	[kg]	538
Packaging Box Gross Weight	[lb]	1,186

Dimensions (mm/inch)



LG Electronics USA, Inc.
Solar Business Division
2000 Millbrook Drive
Lincolnshire, IL 60069
www.lg-solar.com

Product specifications are subject to change without notice.
LG375-385M1C-A6.pdf
121520