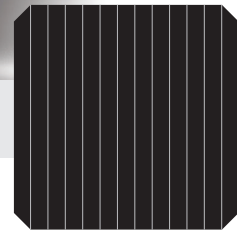


# LG NeON<sup>®</sup> 2 ACe

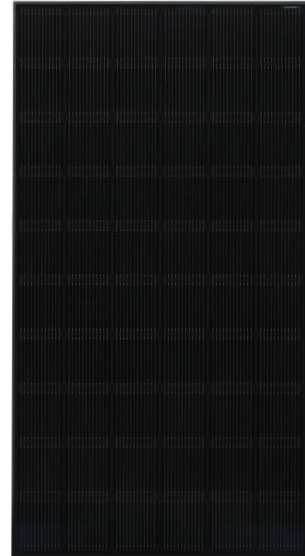
LG355M1K-A6 | LG360M1K-A6 | LG365M1K-A6 | LG370M1K-A6 Preliminary



60

355W | 360W | 365W | 370W

LG NeON<sup>®</sup> ACe is a high-power AC module based on our NeON<sup>®</sup> 2 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> 2 series has been designed for high-power output making it efficient even in limited space.



### 25-Year Warranty

The NeON<sup>®</sup> 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<sup>®</sup> 2 has been designed with aesthetics in mind using thinner wires that appear all black at a distance.



### Flexible Array Design

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



### Solid Performance on Hot Days

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



### Easy Monitoring

LG NeON<sup>®</sup> 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<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.



LG355M1K-A6 | LG360M1K-A6 | LG365M1K-A6 | LG370M1K-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)	Black
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 2
Solar Module Product Warranty	25 Year Limited
Solar Module Output Warranty of Pmax	Linear Warranty*

\*Improved: 1<sup>st</sup> year 98.5%, from 2-24th year: 0.33%/year down, 90.6% at year 25

\*\*In progress

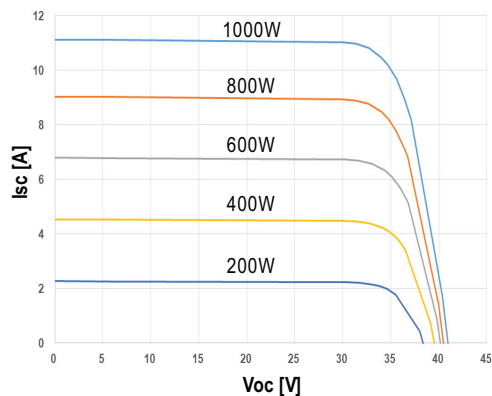
## AC Cable Properties

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	φ11mm

## 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...0.8lagging	
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		LG355M1K-A6	LG360M1K-A6	LG365M1K-A6	LG370M1K-A6
Maximum Power (Pmax)	[W]	355	360	365	370
MPP Voltage (Vmpp)	[V]	34.3	34.7	35.1	35.5
MPP Current (Impp)	[A]	10.37	10.39	10.41	10.43
Open Circuit Voltage (Voc, ± 5%)	[V]	41.6	41.7	41.8	41.9
Short Circuit Current (Isc, ± 5%)	[A]	10.84	10.88	10.92	10.96
Module Efficiency	[%]	19.6	19.9	20.1	20.4
Power Tolerance	[%]	0 ~ +3			

\*STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, 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)

