

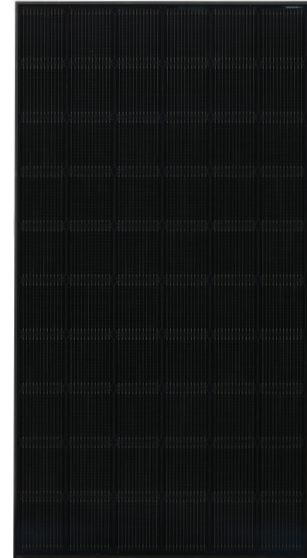
LG NeON[®] 2 ACe

LG370M1K-A6

60

370W

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.



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.



Bifacial Energy Yield

LG NeON[®] 2 modules use a highly efficient bifacial solar cell, "NeON" applied Cello technology for better energy production than standard monofacial PV module.

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

About LG Solar.

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[®]2 ACe

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

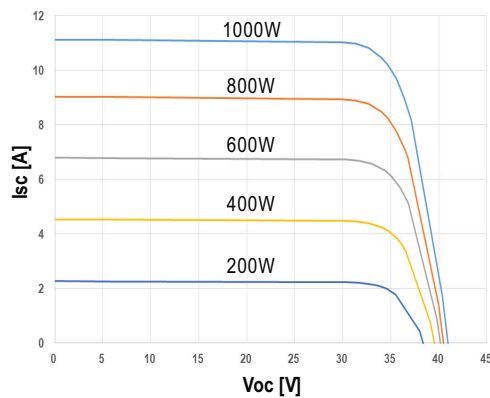
AC Cable Properties

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

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		LG370M1K-A6
Maximum Power (Pmax)	[W]	370
MPP Voltage (Vmpp)	[V]	35.5
MPP Current (Impp)	[A]	10.43
Open Circuit Voltage (Voc, 5%)	[V]	41.9
Short Circuit Current (Isc, ±5%)	[A]	10.96
Module Efficiency ±	[%]	20.4
Bifaciality Coefficient of Power	[%]	6
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)

