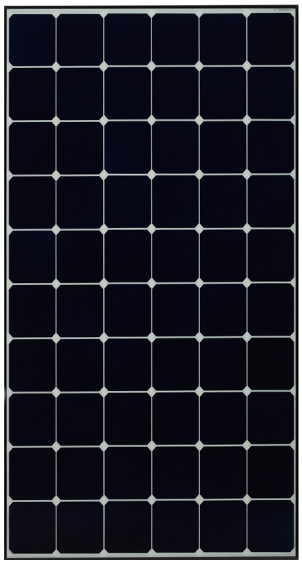
LG NeON®R ACe

60

LG395A1C-A6 Preliminary

395W

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.



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 92.5% 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.

Solid 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 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®R ACe

Preliminary

LG395A1C-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	20.1 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: 0.25%/year down, 92.5% at year 25
**In Progress

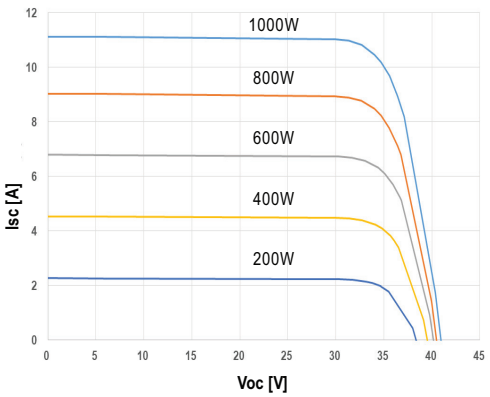
AC Cable Properties

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

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		LG395A1C-A6
Maximum Power (Pmax)	[W]	395
MPP Voltage (Vmpp)	[V]	37.0
MPP Current (Impp)	[A]	10.69
Open Circuit Voltage (Voc, ± 5%)	[V]	43.6
Short Circuit Current (Isc, ± 5%)	[A]	11.29
Module Efficiency	[%]	21.8
Power Tolerance	[%]	0 ~ +3

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

Mechanical Properties

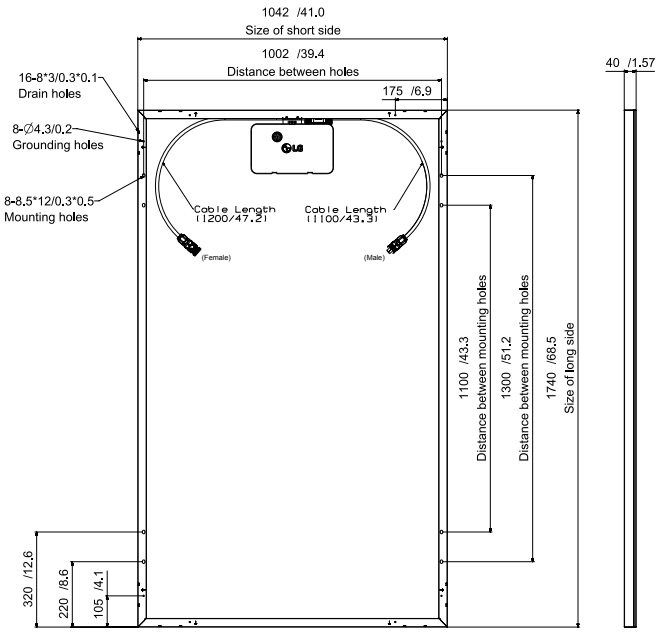
Operating Temperature	[°C]	-40 ~+65
Storage Temperature	[°C]	-40 ~+65
Mechanical Test Load* (Front)	[Pa/psf]	5,400/113
Mechanical Test Load* (Rear)	[Pa/psf]	4,000/84

*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]	536
Packaging Box Gross Weight	[lb]	1,182

Dimensions (mm/inch)



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Product specifications are subject to change without notice.
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