LG
Life's Good

Innovation for a Better Life

LG NeON® 2 ACe

LG330E1C-A5

60 cell

The LG NeON® 2 ACe is embedded AC module, which combines LG NeON® 2 high power DC module and Enphase Micro inverter IQ6+. As they are combined, LG NeON® 2 ACe can simplify all the processes such as logistics, installation, and monitoring.

APPROVED PRODUCT
KM 564573 BS EN 61215
Photovoltaic Modules

Enhanced Long-term Reliability

The LG NeON® 2 ACe has a 15 mm distance between the DC module and the Microinverter. The distance mitigates any impact to performance and reliability by allowing sufficient air-flow for cooling.

High Power Output

The LG NeON® 2 series modules are proven to produce high energy outputfrom high-efficiency n-type cells enabling more flexible use of available roof space.

Safer Solar Roof System

The LG NeON® 2 ACe produces safe AC voltage and complies with NEC 2014 and 2017 standards.

User Friendly Monitoring

Remote Monitoring and Management with Enphase Enlighten software, the LG NeON® 2 ACe is easy to monitor and manage from any web connected device.

Simplified Logistics

The LG NeON® 2 ACe simplifies logistics by consolidating multiple PV system components into a single product SKU. Making it easier to order, store, and transport.

Quick Installation

Installation of the LG NeON® 2 ACe is a two step process of lifting the inverter and connecting the cable without the need to install the inverter, reducing installation labor.

About LG Electronics

LG Electronics is a global player who has been committed to expanding its capacity, based on solar energy business as its future growth engine. We embarked on a solar energy source research program in 1985, supported by LG Group's rich experience in semi-conductor, LCD, chemistry, and materials industry. We successfully released first Mono X® series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, NeON™ (previously known as Mono X® NeON) & 2015 NeON2 with CELLO technology won "Intersolar Award", which proved LG is the leader of innovation in the industry.

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Mechanical Properties

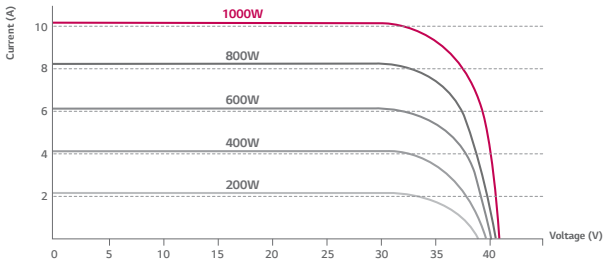
Cells	6 x 10
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
# of Busbar	12 (Multi Wire Busbar)
Dimensions (L x W x H)	1686 x 1016 x 40 mm 66.38 x 40 x 1.57 inch
Weight	19.0 kg / 41.88 lb
Front Load	6000 Pa
Rear Load	5400 Pa
Cooling	Natural convection - No fans
Enclosure Environmental Rating	Outdoor - NEMA 250 type 6 (MIC)
Operating Ambient Temperature	-40 ~ +65 °C (-40 ~ +149°F)
Storage Temperature	-40 ~ +85 °C (-40 ~ +185°F)
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminum
Inverter Model (Utility Interactive)	Enphase IQ6+ Microinverter

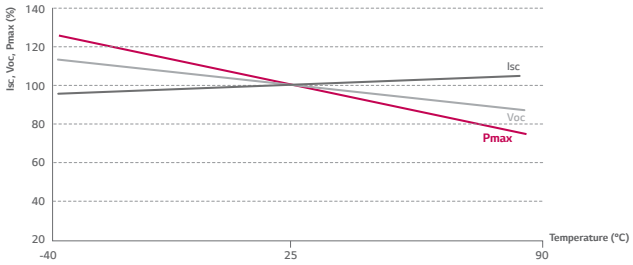
Certifications and Warranty

Certifications	AC Module	UL 1741, UL 1703
	Micro Inverter	UL 1741 / IEEE 1547, UL 62109-1
		FCC Part 15 Class B, ICES-0003 Class B
		CAN/CSA-C22.2 NO.107.1-01
Module Fire Performance		Type 1 (UL 1703)
Solar Module Product Warranty		12 years
Micro Inverter Warranty		25 years
Output Warranty of Pmax (DC) (Measurement Tolerance ± 3%)		Linear Warranty*

* 1) 1st year : 98%, 2) After 1st year : 0.55% annual degradation, 3) 25 years : 84.8%

Characteristic Curves





DC Temperature Characteristics

NOCT*	45 ± 3 °C
Pmpp	-0.37 %/°C
Voc	-0.27 %/°C
Isc	0.03 %/°C

* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s

DC Electrical Properties (STC*)

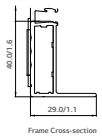
Module	**335 W**	**330 W**	**325 W**
Maximum Power (Pmax)*	335	330	325
Module Efficiency (%)	19.6	19.3	19.0
Power Tolerance (%)		0 ~ +3	

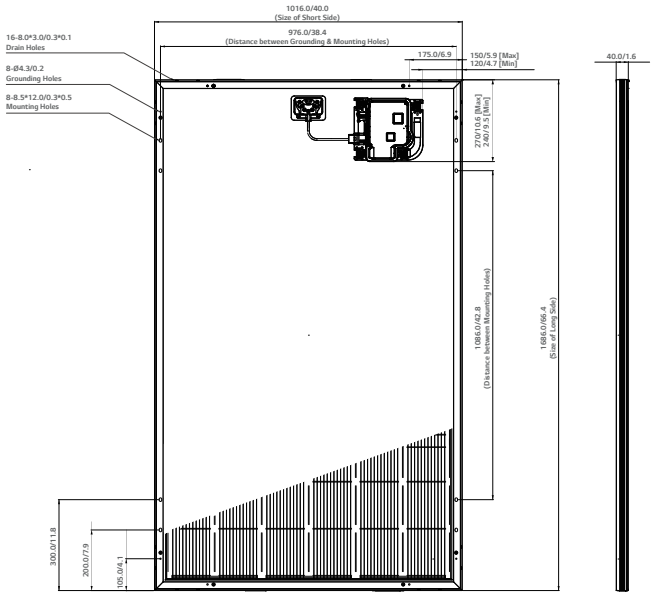
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.
* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

AC Electrical Properties

Peak Ou tput Power (VA)	290
Max. Continuous Output Power (VA)	280
Nominal Voltage / Range (V)	240 / 211 ~ 264
Nominal Output Current (A)	1.17
Nominal Frequency / Range (Hz)	60.0 / 59.3 ~ 60.5
Power Factor / Adjustable	1/0.7 leading...0.7 lagging
CEC Weighted Efficiency (%)	97.0
Max. Branch Circuit Over Current Protection	20
Number of Max. AC Modules (EA)	13

Dimensions (mm/in)





* The distance between the center of the mounting/grounding holes.

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