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.

Enhanced Long-term Reliability

The LG NeON® 2 ACe has 15mm AIR GAP between DC module and Micro inverter. The air gap cooling DC module and inverter down restricts decrease of performance by heats.

Safer Solar Roof System

The LG NeON® 2 ACe can be applied as safe system with low-voltage DC power system on roofs. Moreover, it conforms every norm for residential use such as NEC 2014 and 2017.

Simplified Logistics

Embedding micro inverter to LG NeON® 2, PV system became one product. It gives people benefit of simple order, storage and transport.

High Power Output

The LG NeON® 2 series are proven to produce high energy output with top level efficiency. Unique high-efficiency n-type cell gives customer flexible use of roof space.

User Friendly Monitoring

"Enlighten" and "Installer's tookit" monitoring system helps home monitoring and managing installation via web and mobile.

Quick Installation

When LG NeON® 2 ACe is installed on a roof, only two steps are needed: lifting and connecting. Therefore, LG NeON® 2 ACe can save the efforts and time for installation.

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 the first Mono X® series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, LG NeON™ (previously known as Mono X® NeON) 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 EA (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	6000Pa
Rear Load	5400Pa
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 Aluminium
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*

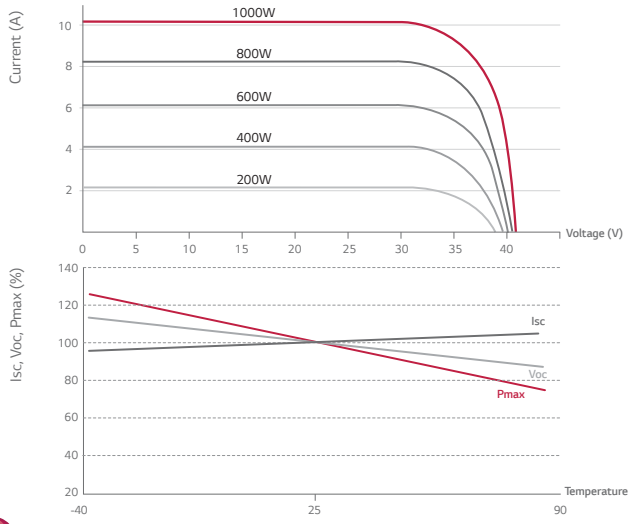
* 1) 1st year : 98%, 2) After 2nd year : 0.55% annual degradation, 3) 25 years : 84.8%

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

Characteristic Curves



DC Electrical Properties (STC*)

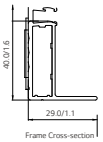
Model	**330**
Maximum Power (Pmax)*	330
Module Efficiency	19.3
Power Tolerance (%)	0 ~ +3

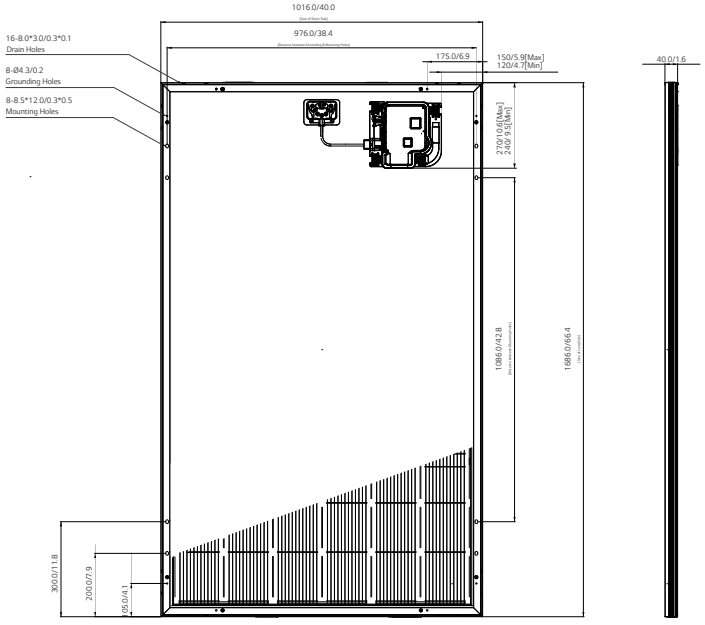
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.
* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

AC Electrical Properties

Peak Output 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)





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Product specifications are subject to change without notice.

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