

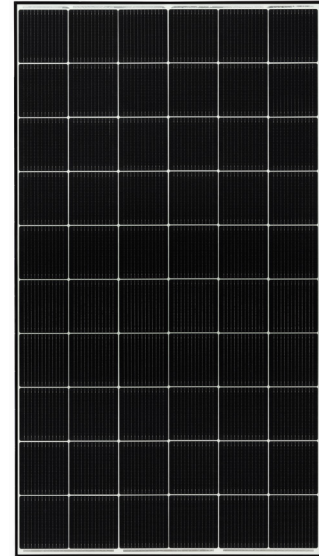
LG NeON[®] 2 ACe

LG365M1C-N5

60

365W

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 90.08% 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.

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 NeON[®]2 ACe

LG365M1C-N5

General Data

| | |
|---|---|
| Cells | 6 x10 |
| Cell Vendor | LG |
| Cell Type | Monocrystalline/N-type |
| Number of Busbars | 12 EA (Multi Wire Busbar) |
| Dimensions (L x W x H) | 1,700 x 1,016 x 40 mm |
| Weight | 19.5 kg/43 lbs |
| Mechanical Test Load* | 5,400Pa (Front)/4,000Pa (Rear) |
| Cooling | Natural Convection - No Fans |
| Enclosure Environmental Rating | Outdoor - NEMA 250 type 6 (Micro Inverter) |
| Operating Ambient Temperature | -40 ~ +65°C (-40 ~ +149°F) |
| Storage Temperature | -40 ~ +90°C (-40 ~ +194°F) |
| Glass | 2.8mm/Tempered Glass with High Transmission Anti-Reflective Coating |
| Frame | Anodized Aluminium |
| Inverter Model (Grid Support Utility Interactive) | LM320UE-A2 |

*Mechanical Test Load 5,400pa/4,000pa based on IEC 61215 - 2:2016 (Test Load = Design Load x Safety Factor (x1.5))

Certifications and Warranty

| | |
|---|--|
| Certifications | UL1703/61730*, UL1741*, UL1741 SA*, IEEE1547* FCC Part 15 Class B |
| Module Fire Performance | Type 1 (UL 1703) |
| Solar Module Product Warranty | 25 Year Limited |
| Micro Inverter Warranty | 25 Year Limited |
| Output Warranty of Pmax (DC) (Measurement Tolerance ± 3%) | Linear Warranty** |

*Certification in progress

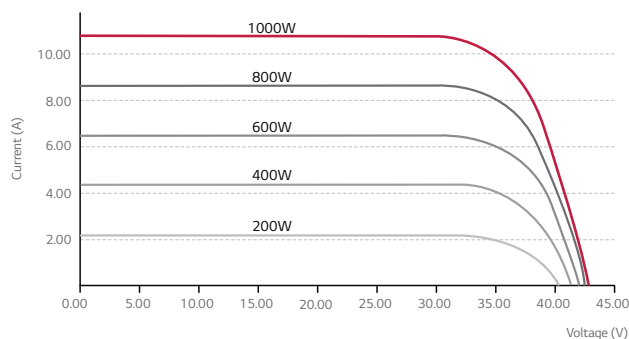
**Improved: 1st year 98%, from 2-24th year: 0.33%/year down, 90.08% at year 25

DC Temperature Characteristics

| | | |
|-------|--------|--------|
| NOCT* | [°C] | 42 ± 3 |
| Pmax | [%/°C] | -0.34 |
| Voc | [%/°C] | -0.26 |
| Isc | [%/°C] | 0.03 |

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

Characteristic Curves



DC Electrical Properties (STC*)

| Model | LG365M1C-N5 | |
|------------------------|-------------|--------|
| Maximum Power (Pmax)** | [W] | 365 |
| Module Efficiency | [%] | 21.1 |
| Power Tolerance | [%] | 0 ~ +3 |

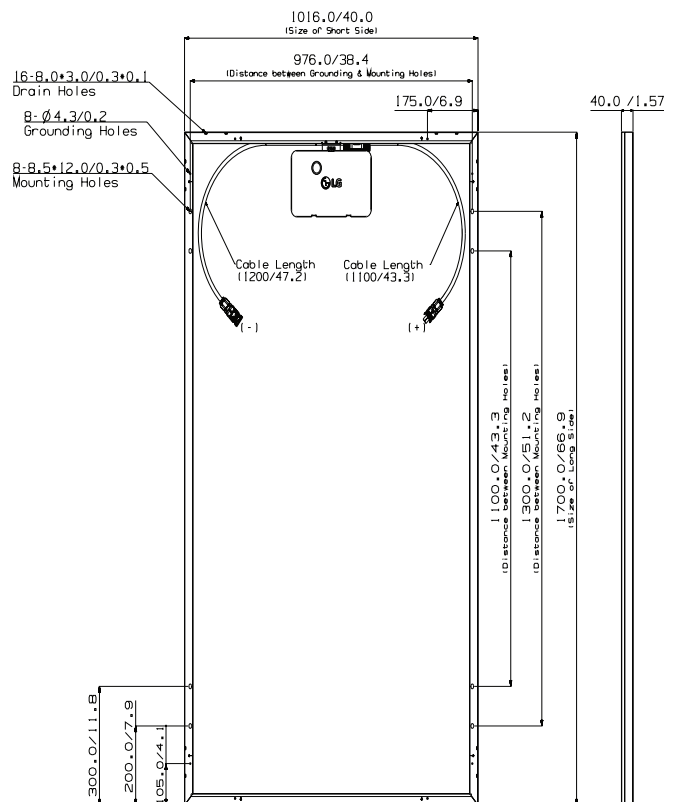
*STC (Standard Test Condition): Irradiance 1000 W/m², Cell temperature 25°C, AM 1.5

**Measurement Tolerance of Pmax: ±3%

AC Electrical Properties

| | | @240VAC | @208VAC |
|---|------|---------------------------|-----------------|
| Max. Continuous Output Power | [VA] | 320 | |
| Nominal Voltage/Range | [V] | 240/211~264 | 208/183~229 |
| Nominal Output Current | [A] | 1.33 | 1.54 |
| CEC Weighted Efficiency | [%] | 97.0 | 96.5 |
| Cable Length (only cable length) | [mm] | Cable 1 : 1,200 | Cable 2 : 1,100 |
| Number of Max. AC Modules | [EA] | 12 | 10 |
| Nominal Frequency/Range | [Hz] | 60.0 / 59.3-60.5 | |
| Power Factor/Adjustable | | 1/0.8leading...0.8lagging | |
| Max. Branch Circuit Over Current Protection | [A] | 20 | |

Dimensions (mm/inch)



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



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Product specifications are subject to change without notice.
LG365M1C-N5.pdf
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