

LG NeON[®]2

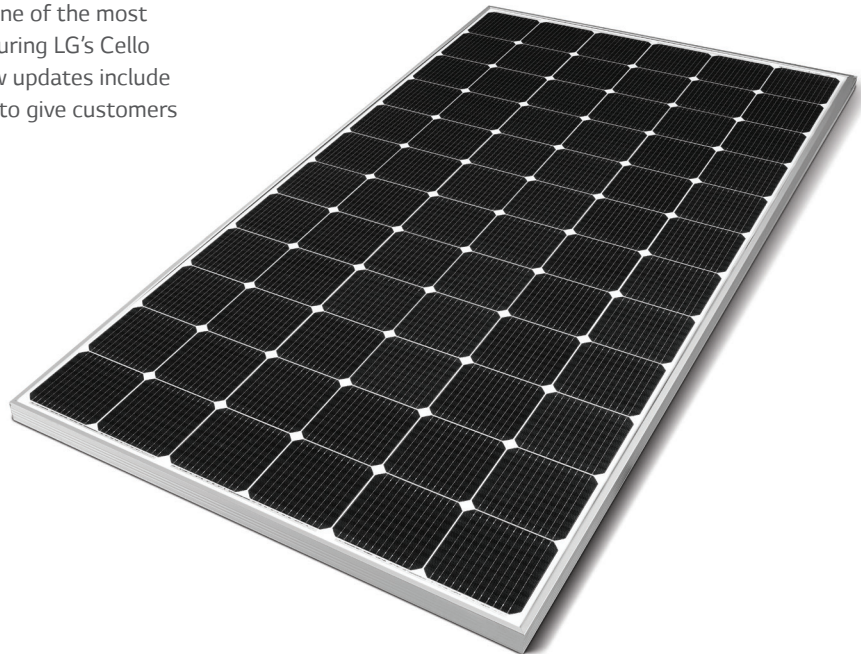
LG400N2W-V5



72

400W

The LG NeON[®] 2 is LG's best selling solar module, and is one of the most powerful and versatile modules on the market today. Featuring LG's Cello Technology, the LG NeON[®] 2 increases power output. New updates include an extended performance warranty from 86% to 90.08% to give customers higher performance and reliability.



Features



Enhanced Performance Warranty

LG NeON[®] 2 has an enhanced performance warranty. After 25 years, LG NeON[®] 2 is guaranteed at least 90.08% of initial performance.



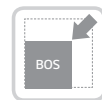
25-Year Limited Product Warranty

The NeON[®] 2 is covered by a 25-year limited product warranty. In addition, up to \$450 of labor costs will be covered in the rare case that a module needs to be repaired or replaced.



Solid Performance on Hot Days

LG NeON[®] 2 performs well on hot days due to its low temperature coefficient.



BOS (Balance Of System) Saving

LG NeON[®] 2 can reduce the total number of strings due to its high module efficiency resulting in a more cost effective and efficient solar power system.



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 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.



LG400N2W-V5

General Data

| | |
|----------------------------------|--------------------------------|
| Cell Properties (Material/Type) | Monocrystalline/N-type |
| Cell Maker | LG |
| Cell Configuration | 72 Cells (6 x 12) |
| Number of Busbars | 12EA |
| Module Dimensions (L x W x H) | 2,024mm x 1,024mm x 40 mm |
| Weight | 20.3 kg |
| Glass (Material) | Tempered Glass with AR Coating |
| Backsheet (Color) | White |
| Frame (Material) | Anodized Aluminium |
| Junction Box (Protection Degree) | IP 68 |
| Cables (Length) | 1,200mm x 2EA |
| Connector (Type/Maker) | MC 4/MC |

Certifications and Warranty

| | |
|-------------------------------|--|
| Certifications | IEC 61215-1/-1-1/2:2016, IEC 61730-1/2:2016, UL 1703 |
| | ISO 9001, ISO 14001, ISO 50001 |
| | OHSAS 18001 |
| Salt Mist Corrosion Test | IEC 61701:2012 Severity 6 |
| Ammonia Corrosion Test | IEC 62716:2013 |
| Module Fire Performance | Type 1 (UL 1703) |
| Fire Rating | Class C (UL 790, ULC/ORD C 1703) |
| Solar Module Product Warranty | 25 Year Limited |
| Solar Module Output Warranty | Linear Warranty* |

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

Temperature Characteristics

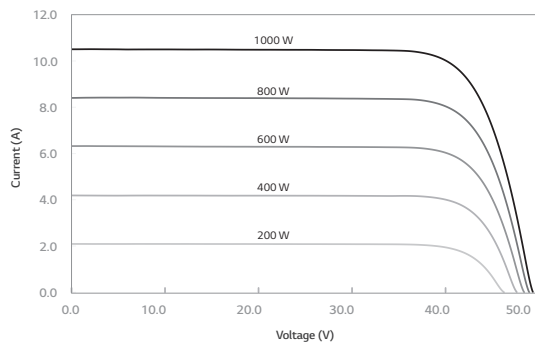
| | | |
|-------|--------|--------|
| NMOT* | [°C] | 42 ± 3 |
| Pmax | [%/°C] | -0.36 |
| Voc | [%/°C] | -0.26 |
| Isc | [%/°C] | 0.02 |

*NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², Ambient temperature 20°C, Wind speed 1 m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

| | | |
|-----------------------------|-------------|------|
| Model | LG400N2W-V5 | |
| Maximum Power (Pmax) | [W] | 300 |
| MPP Voltage (Vmpp) | [V] | 38.0 |
| MPP Current (Impp) | [A] | 7.88 |
| Open Circuit Voltage (Voc) | [V] | 46.5 |
| Short Circuit Current (Isc) | [A] | 8.40 |

I-V Curves



Electrical Properties (STC*)

| | | |
|-----------------------------------|-------------|--------|
| Model | LG400N2W-V5 | |
| Maximum Power (Pmax) | [W] | 400 |
| MPP Voltage (Vmpp) | [V] | 40.6 |
| MPP Current (Impp) | [A] | 9.86 |
| Open Circuit Voltage (Voc, ± 5%) | [V] | 49.3 |
| Short Circuit Current (Isc, ± 5%) | [A] | 10.47 |
| Module Efficiency | [%] | 19.3 |
| Bifaciality Coefficient of Power | [%] | 10 |
| Power Tolerance | [%] | 0 ~ +3 |

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

Operating Conditions

| | | |
|------------------------------|----------|----------------------|
| Operating Temperature | [°C] | -40 ~ +90 |
| Maximum System Voltage | [V] | 1,500(UL), 1000(IEC) |
| Maximum Series Fuse Rating | [A] | 20 |
| Mechanical Test Load (Front) | [Pa/psf] | 5,400/113 |
| Mechanical Test Load (Rear) | [Pa/psf] | 3,000/63 |

*Test Load = Design load x Safety Factor (1.5)

Packaging Configuration

| | | |
|---|------|-----------------------|
| Number of Modules per Pallet | [EA] | 25 |
| Number of Modules per 40ft HQ Container | [EA] | 550 |
| Packaging Box Dimensions (L x W x H) | [mm] | 2,080 x 1,120 x 1,226 |
| Packaging Box Gross Weight | [kg] | 551 |

Dimensions (mm/inch)

