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.
LG NeON®2

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

**Electrical Properties (NMOT)**

- **Model:** LG400N2W-V5
- **Maximum Power (Pmax):** [W] 400
- **MPP Voltage (Vmpp):** [V] 40.6
- **MPP Current (Impp):** [A] 9.86
- **Open Circuit Voltage (Voc, %):** [V] 49.3
- **Short Circuit Current (Isc, %):** [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

**Certifications and Warranty**

- **Certifications:**
  - IEC 61215-1/-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: 0.3%/year down, 90.08% at year 25

**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

**Temperature Characteristics**

- **NOMT** [°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 (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

**Dimensions (mm/inch)**

- **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)

**Product specifications are subject to change without notice.**

© 2020 LG Electronics USA, Inc. All rights reserved.