# LG NeON®2

LG395N2W-V5 | LG400N2W-V5

## 395W | 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.



#### **Enhanced Product Warranty**

LG has extended the warranty of the NeON® 2 to 25 years including labor, which is top level in the industry.



#### Better Performance on a Sunny Day

LG NeON® 2 now performs better on sunny days, thanks to its improved 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.

### When you go solar, ask for the brand you can trust: LG Solar

#### About LG Electronics

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.







#### LG395N2W-V5 | 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 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 Years	
Solar Module Output Warranty	Linear Warranty*	

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

#### **Temperature Characteristics**

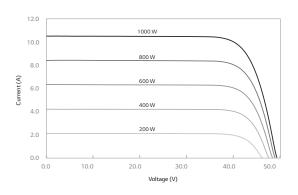
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.36
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.02

 $<sup>^\</sup>star$  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		LG395N2W-V5	LG400N2W-V5
Maximum Power (Pmax)	[W]	296	300
MPP Voltage (Vmpp)	[V]	37.7	38.0
MPP Current (Impp)	[A]	7.86	7.88
Open Circuit Voltage (Voc)	[V]	46.4	46.5
Short Circuit Current (Isc)	[A]	8.37	8.40

#### I-V Curves



#### Electrical Properties (STC\*)

Model		LG395N2W-V5	LG400N2W-V5
Maximum Power (Pmax)	[W]	395	400
MPP Voltage (Vmpp)	[V]	40.2	40.6
MPP Current (Impp)	[A]	9.83	9.86
Open Circuit Voltage (Voc, ± 5%)	[V]	49.2	49.3
Short Circuit Current (Isc, ± 5%)	[A]	10.43	10.47
Module Efficiency	[%]	19.1	19.3
Power Tolerance	[%]	0~	+3

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

#### **Operating Conditions**

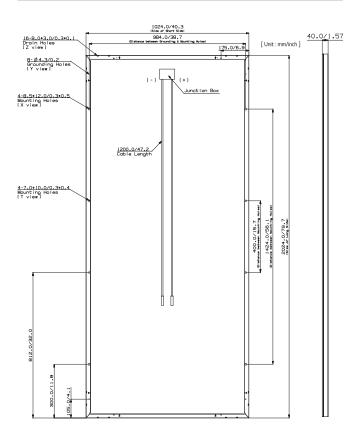
Operating Temperature	[°C]	-40 ~+90
Maximum System Voltage	[V]	1,500(UL), 1000(IEC)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa/psf]	5,400 / 113
Mechanical Test Load (Rear)	[Pa/psf]	3,000 / 63

<sup>\*</sup> Test Load = Design load x Safety Factor (1.5)

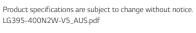
#### **Packaging Configuration**

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)









LG Electronics Inc.