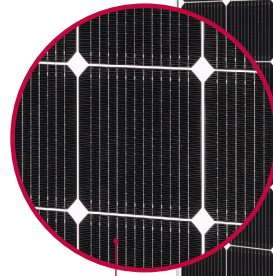


LG NeON[®] 2

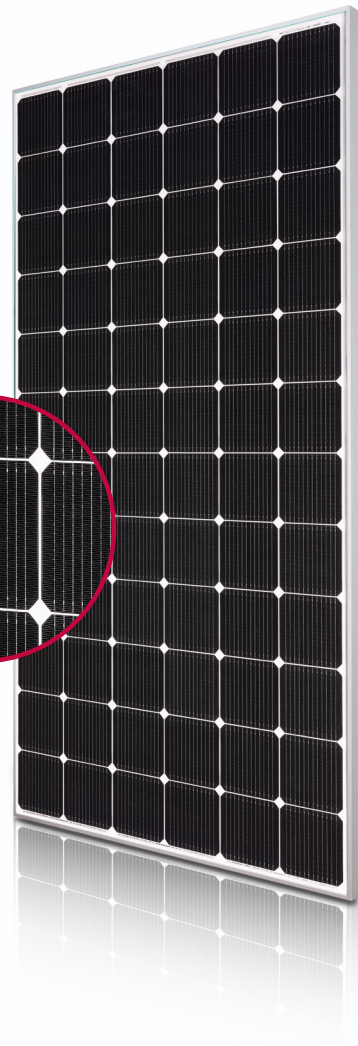
LG400N2W-A5 | LG395N2W-A5
LG390N2W-A5

72 cell

New LG NeON[®] 2 72cell based on Cello technology has become more powerful. Cello technology replaces 3 busbars with 12 thin wires to enhance power output and reliability. NeON[®] 2 72cell demonstrates LG's efforts to increase customer's values beyond efficiency. It features enhanced warranty, durability and performance in a real environment.



Cello Technology



Key Features



Enhanced Performance Warranty

LG NeON[®] 2 has an enhanced performance warranty. After 25 years, LG NeON[®] 2 is guaranteed to be at least 84.8% of initial performance.



Improved Product Warranty

As well as the enhanced performance warranty, LG has extended the product warranty of the LG NeON[®] 2 for an additional 2 years.



Better Performance on a Sunny Day

LG NeON[®] 2 now performs better on a sunny day thanks to its improved temperature coefficient.



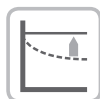
High Power Output

LG NeON[®] 2 has been designed to significantly enhance its output efficiency making it efficient even in limited space.



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.



Near Zero LID (Light Induced Degradation)

The n-type cells used in LG NeON[®] 2 have almost no boron, which may cause the initial performance degradation, leading to less LID.

About LG Electronics

LG Electronics is a global big player, committed to expanding its operations with the solar market. 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 Solar's lead, innovation and commitment to the industry.

LG400N2W-A5 / LG395N2W-A5 / LG390N2W-A5

LG NeON²

Mechanical Properties

Cells	6 x 12
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
# of Busbar	12 (Multi Wire Busbar)
Dimensions (L x W x H)	2024 x 1024 x 40 mm 79.69 x 40.31 x 1.57 in
Front Load	5400 Pa / 113 psf
Rear Load	2400 Pa / 50 psf
Weight	21.7 kg / 47.84 lb
Connector Type	MC4 (MC)
Junction Box	IP68 with 3 Bypass Diodes
Cables	1200 mm x 2 ea / 47.24 in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

Certifications and Warranty

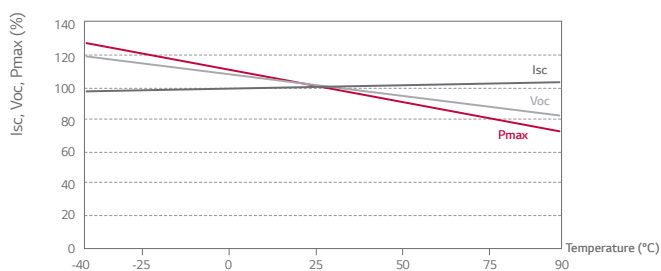
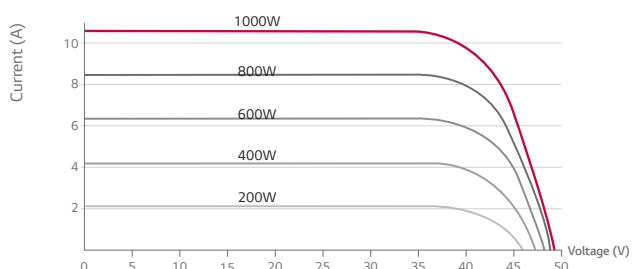
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Type 1 (UL)
Fire Rating	Class C
Product Warranty	12 Years
Output Warranty of Pmax	Linear Warranty*

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

Temperature Characteristics

NOCT	[°C]	45 ± 3
Pmax	[%/°C]	-0.36
Voc	[%/°C]	-0.26
Isc	[%/°C]	0.02

Characteristic Curves



Electrical Properties (STC*)

Model		LG400N2W-A5	LG395N2W-A5	LG390N2W-A5
Maximum Power (Pmax)	[W]	400	395	390
MPP Voltage (Vmpp)	[V]	40.6	40.2	39.8
MPP Current (Impp)	[A]	9.86	9.83	9.81
Open Circuit Voltage (Voc)	[V]	49.3	49.2	49.1
Short Circuit Current (Isc)	[A]	10.47	10.43	10.39
Module Efficiency	[%]	19.3	19.1	18.8
Operating Temperature	[°C]	-40 ~ +90		
Maximum System Voltage	[V]	1000 (IEC) / 1500 (UL)		
Maximum Series Fuse Rating	[A]	20		
Power Tolerance	[%]	0 ~ +3		

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

* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

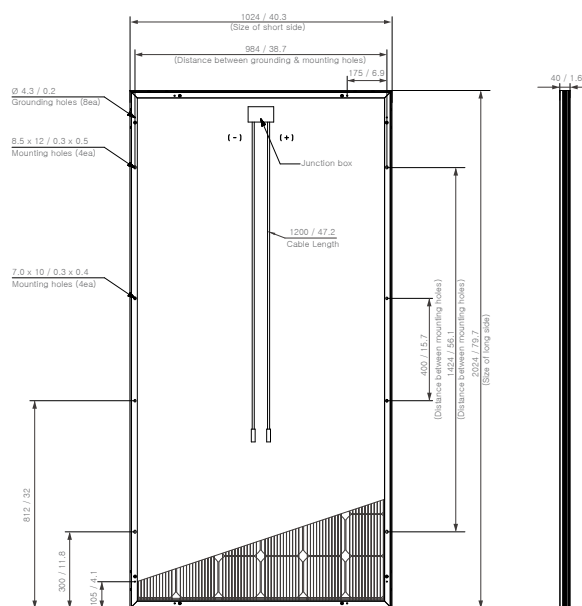
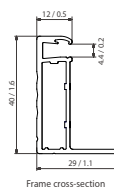
* The Typical change in module efficiency at 200W/m² in relation to 1000W/m² is -2.0%.

Electrical Properties (NOCT*)

Model		LG400N2W-A5	LG395N2W-A5	LG390N2W-A5
Maximum Power (Pmax)	[W]	296	293	289
MPP Voltage (Vmpp)	[V]	37.6	37.2	36.9
MPP Current (Impp)	[A]	7.88	7.86	7.84
Open Circuit Voltage (Voc)	[V]	46.1	46.0	45.9
Short Circuit Current (Isc)	[A]	8.41	8.38	8.35

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

Dimensions (mm / inch)



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

