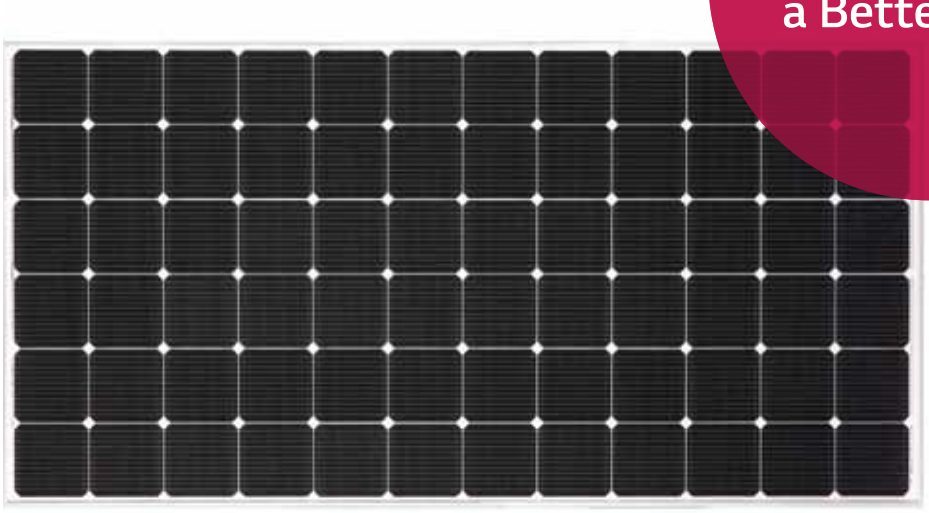
LG
Life's Good

Innovation for a Better Life



LG NeON® 2 72cell

LG390N2W-A5

72 cell

LG's NeON® 2 module adopts Cello Technology™. Cello Technology™ replaces 3 busbars with 12 thin wires to enhance power output and reliability. The NeON® 2 72cell demonstrates LG's efforts to increase customer value through efficiency, enhanced warranties, durability and performance.

Enhanced Performance Warranty

LG NeON® 2 has an enhanced performance warranty. The annual degradation has fallen from -0.6%/yr to -0.5%/yr. Even after 25 years, the cell guarantees 2.4% more output than the previous LG NeON® 2 modules.

Roof Aesthetics

LG NeON® 2 has been designed with aesthetics in mind, using thinner wires that appear all black at a distance.

Improved Performance on Sunny Days

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

High Power Output

Compared with previous models, the LG NeON® 2 has been designed to significantly enhance its output efficiency, thereby making it efficient even in limited space.

Outstanding Durability

With its newly reinforced frame design, LG has extended the warranty of the NeON® 2 72 from 15 years to 25 years. In addition, LG NeON® 2 72 can endure a front load up to 5400 Pa, and a rear load up to 4300 Pa.

Double-Sided Cell Structure

The rear of the cell used in the LG NeON® 2 contributes to generation, just like the front; the light beam reflected from the rear of the module is reabsorbed to generate additional power.

About LG Electronics

LG Electronics is a global player who has been committed to expanding its operations with the solar market. The company first embarked on a solar energy source research programs 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 Mono X® series to the market, which is now available in 32 countries. The LG NeON® (previously known as Mono X® NeON) and the LG NeON® 2 won the "Intersolar Award" in 2013 and 2015, which demonstrates LG Solar's lead, innovations and commitment to the industry.

LG NeON® 2 72cell LG390N2W-A5

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 inch
Front Load	5400Pa
Rear Load	4300Pa
Weight	21.7 kg
Connector Type	MC4
Junction Box	IP68 with 3 Bypass Diodes
Cables	1200 mm x 2 ea
Glass	Tempered Glass with AR Coating
Frame	Anodized Aluminium

Certifications and Warranty

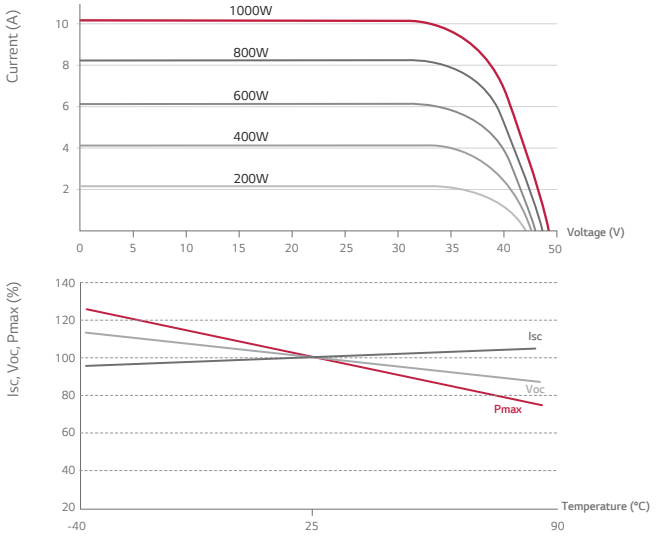
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance (USA)	Type 1
Fire Rating (CANADA)	Class C (ULC / ORD C1703)
Product Warranty	25 years
Output Warranty of Pmax	Linear warranty**

** 1) 1st year : 98%, 2) After 1st year : 0.5% annual degradation, 3) 25 years : 86%

Temperature Characteristics

NOCT	45 ± 3 °C
Pmpp	-0.36%/°C
Voc	-0.26%/°C
Isc	-0.02%/°C

Characteristic Curves



Electrical Properties (STC *)

Module	**390W**
Maximum Power (Pmax)	390
MPP Voltage (Vmpp)	39.8
MPP Current (Impp)	9.81
Open Circuit Voltage (Voc)	49.1
Short Circuit Current (Isc)	10.39
Module Efficiency	18.8
Operating Temperature	-40 ~ +90
Maximum System Voltage	1500 (UL)
Maximum Series Fuse Rating	20
Power Tolerance (%)	0 ~ +3

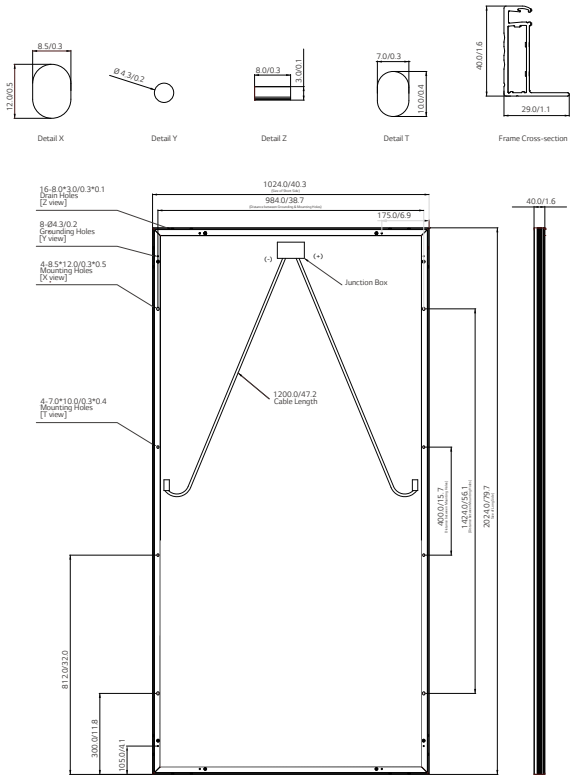
* STC (Standard Test Condition): Irradiance 1,000 W/m², Cell Temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.
* The Typical change in module efficiency at 200W/m² in relation to 1000W/m² is -2.0%.

Electrical Properties (NOCT*)

Module	**390W**
Maximum Power (Pmax)	289
MPP Voltage (Vmpp)	36.9
MPP Current (Impp)	7.84
Open Circuit Voltage (Voc)	45.9
Short Circuit Current (Isc)	8.35

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

Dimensions (mm/in)



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

LG Life's Good

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Product specifications are subject to change without notice.

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