

## LG NeON™ 2

LG375N2W-G4

LG370N2W-G4

LG365N2W-G4

### 72 cell

LG New module, NeON™ 2 72cell adopts Cello technology. 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.



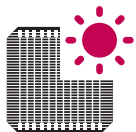
#### Enhanced Performance Warranty

LG NeON™ 2 72cell has an enhanced performance warranty. The annual degradation has fallen from 0.7%/yr to 0.6%/yr. Even after 25 years, module guarantees 2.4%p more output than the previous LG NeON™ modules.



#### Improved Product Warranty

As well as the enhanced performance warranty, LG has extended the product warranty of the LG NeON™ 2 72cell for an additional 2 years.



#### Better Performance on a Sunny Day

LG NeON™ 2 72cell now performs better on a sunny days thanks to its improved temperature coefficient.



#### High Power Output

Compared with previous models, the LG NeON™ 2 72cell has been designed to significantly enhance its output efficiency, hereby making space management more efficient even in limited areas.



#### Double-Sided Cell Structure

The rear of the cell used in LG NeON™ 2 72cell will contribute to generation, just like the front; the light beam reflected from the rear of the module is reabsorbed to generate a great amount of additional power.



#### BOS (Balance Of System) Saving

LG NeON™ 2 72cell can reduce the total number of strings due to its high module efficiency resulting in a more cost effective and efficient solar power system.

#### 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.

## Mechanical Properties

Cells	6 x 12
Cell Vendor	LG
Cell Type	Monocrystalline / N-type
Cell Dimensions	156.75 x 156.75 mm / 6 inches
# of Busbar	12 (Multi Wire Busbar)
Dimensions (L x W x H)	1960 x 1000 x 46 mm
Front Load	5400 Pa
Rear Load	2400 Pa
Weight	20.3 ± 0.5 kg
Connector Type	MC4
Junction Box	IP67 with 3 Bypass Diodes
Length of Cables	1200 mm x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminum

## Certifications and Warranty

Certifications	IEC 61215, IEC 61730-1/-2 UL1703 IEC 61701 (Salt corrosion test)* IEC 62716 (Ammonia corrosion test)* ISO 9001
Module Fire Performance	Type 2 (UL1703)
Fire Rating (for CANADA)	Class C (ULC/ORD C1703)
Product Warranty	12 years
Output Warranty of Pmax	Linear warranty**

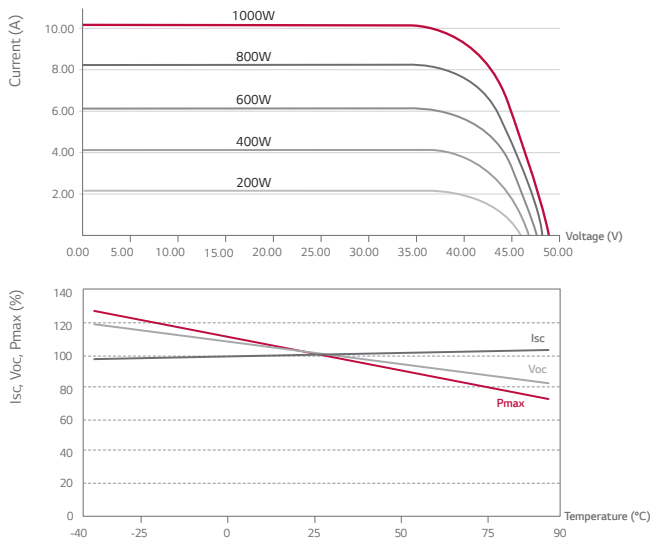
\* in progress

\*\*1) 1st year: 98%, 2) After 2nd year: 0.6%p annual degradation, 3) 83.6% for 25 years

## Temperature Characteristics

NOCT	45 ± 3 °C
Pmpp	-0.38 %/°C
Voc	-0.28 %/°C
Isc	0.03 %/°C

## Characteristic Curves



## Electrical Properties (STC \*)

Module Type	375W	370 W	365 W
MPP Voltage (Vmpp)	39.6	39.2	38.9
MPP Current (Impp)	9.50	9.44	9.39
Open Circuit Voltage (Voc)	48.3	48.0	47.7
Short Circuit Current (Isc)	10.04	9.98	9.92
Module Efficiency (%)	19.1	18.9	18.6
Operating Temperature (°C)	-40 ~ +90		
Maximum System Voltage (V)	1000		
Maximum Series Fuse Rating (A)	20		
Power Tolerance (%)	0 ~ +3		

\* STC (Standard Test Condition): Irradiance 1000 W/m<sup>2</sup>, Module Temperature 25 °C, AM 1.5

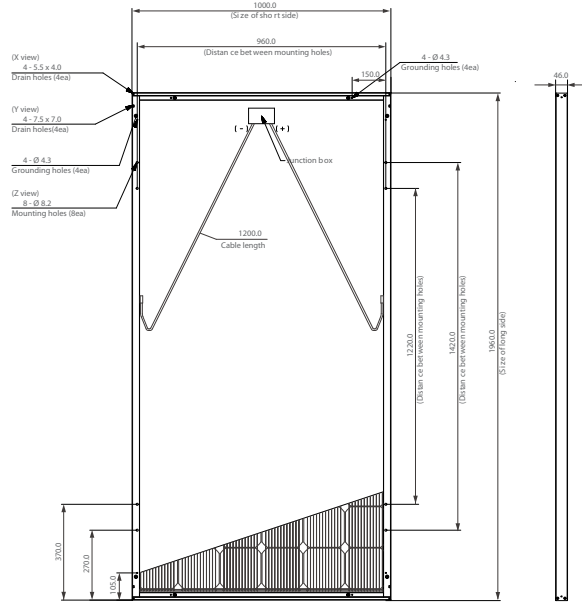
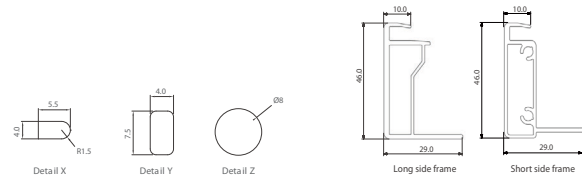
\* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

## Electrical Properties (NOCT\*)

Module Type	375 W	370 W	365 W
Maximum Power (Pmax)	277	273	269
MPP Voltage (Vmpp)	36.6	36.3	36.0
MPP Current (Impp)	7.57	7.52	7.48
Open Circuit Voltage (Voc)	45.0	44.7	44.4
Short Circuit Current (Isc)	8.08	8.03	7.98

\* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

## Dimensions (mm/in)



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



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Innovation for a Better Life

