

LG NeON™ 2 72cell

LG370N2W-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 capacity, based on solar energy business as its future growth engine. We embarked on a solar energy source research program in 1985, supported by LG Group's rich experience in semi-conductor, LCD, chemistry, and materials industry. We successfully released first Mono X® series to the market in 2010, which were exported to 32 countries in the following 2 years, thereafter. In 2013, NeON™ (previously known as Mono X® NeON) & 2015 NeON2 with CELLO technology won "Intersolar Award", which proved LG is the leader of innovation in 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**

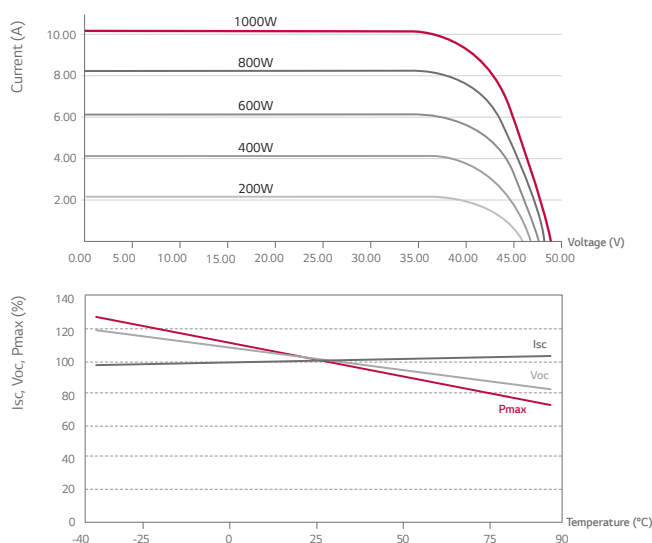
* in progress

**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	370 W
MPP Voltage (Vmpp)	39.2
MPP Current (Impp)	9.44
Open Circuit Voltage (Voc)	48.0
Short Circuit Current (Isc)	9.98
Module Efficiency (%)	18.9
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/m², Module Temperature 25 °C, AM 1.5

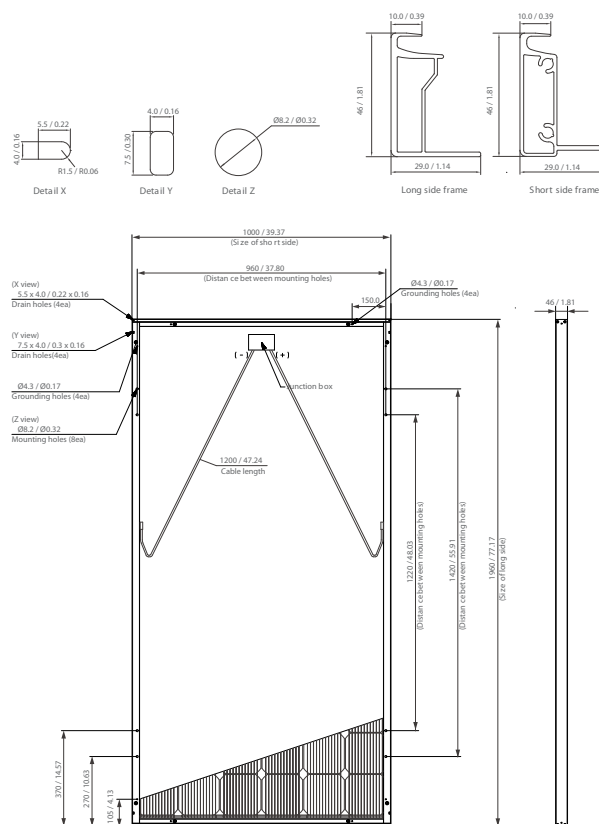
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Electrical Properties (NOCT*)

Module Type	370 W
Maximum Power (Pmax)	273
MPP Voltage (Vmpp)	36.3
MPP Current (Impp)	7.52
Open Circuit Voltage (Voc)	44.7
Short Circuit Current (Isc)	8.03

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

Dimensions (mm/in)



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

