

# LG Mono X<sup>®</sup> Plus

LG365/370S1C-U6

**GREAT PERFORMANCE**

**LONG LASTING PANELS**

**LONG WARRANTIES**



## Awards Received By LG Solar™



## YOU DESERVE THE Mono X<sup>®</sup> Plus

The latest Mono X<sup>®</sup> Plus benefits from years of LG research. The 6th generation LG Mono X<sup>®</sup> Plus offers strong warranties and a higher efficiency, than previous generations.

The LG Mono X<sup>®</sup> Plus will provide many years of clean, reliable energy. Choosing the high quality Mono X<sup>®</sup> Plus is an investment in high standards of design, manufacture, back up support and warranties. The high quality is the result of our strong commitment to developing a module that delivers reliable, high output for years for a peace of mind solar solution.



### More Power per Square Metre

LG Mono X<sup>®</sup> Plus 370W panels are a similar physical size to many conventional 330W panels. This means with the LG Mono X<sup>®</sup> Plus 370W you get 12% more electricity per square meter than a 330W panel. So you can install more kW of solar on your roof with the LG Mono X<sup>®</sup> Plus-U6.



### 15 Years Product Warranty (Parts & Labour)

The LG product warranty is longer than many competitors standard 10 and 12 years warranties. The local warranty is provided by LG Electronics Australia. The warranty includes replacement labour and transport.



### Additional Certification

LG Mono X<sup>®</sup> Plus panels can be installed confidently right up to the coastline. The panels have received certification for Salt Mist Corrosion to maximum severity 6 and Ammonia Resistance.



### Improved 25 Year Performance Warranty

The long term annual degradation of cells is -0.4% per year for year 2 to 25. This brings their warranted output degradation to 87.9% after 25 years, compared to 80.7% for many competing panels.

## ABOUT LG ELECTRONICS

LG Electronics embarked on a solar energy research programme in 1985, using our vast experience in semi-conductors, chemistry and electronics. In 2010, LG Solar successfully released its first Mono X<sup>®</sup> series, and LG Solar panels are now available in 32 countries. LG solar panels won the acclaimed Top Brand PV Award in Australia for 5 years in a row from 2016 to 2020. All these awards demonstrate LG Solar's high reputation amongst the solar installation industry. LG Solar has also been voted WINNER Trusted Brands 2020 - SOLAR PANELS by Reader's Digest from over 3,000 Australian consumers surveyed. With many lesser known brand panels selling in Australia, LG Solar panels offer a peace of mind solution, as they are backed by a very large established global brand.

## KEY FEATURES



### Proven Field Performance

LG has been involved in a number of comparison tests of the LG panels against many other brand panels. LG models are consistently among the better performing in these tests.



### LG Corrosion Resistance Certification

LG NeON<sup>®</sup> 2 panels can be installed confidently right up to the coastline. The panels have received certification for Salt Mist Corrosion to maximum severity 6 and Ammonia Resistance.



### Strict Quality Control Reliable for the Future

The quality control of LG world-class solar production is monitored and improved using Six Sigma techniques to effectively maintain and improve our uncompromising quality.



### Cyclone Wind Load Resistance

LG panels have a strong double walled frame. When it comes to wind forces (rear load) many competitor modules are certified to 2400 Pascals. The LG Mono X<sup>®</sup> Plus panels are certified to 3000 Pascals, which provides more wind load resistance than a standard panels.



### Anti PID Technology for Yield Security

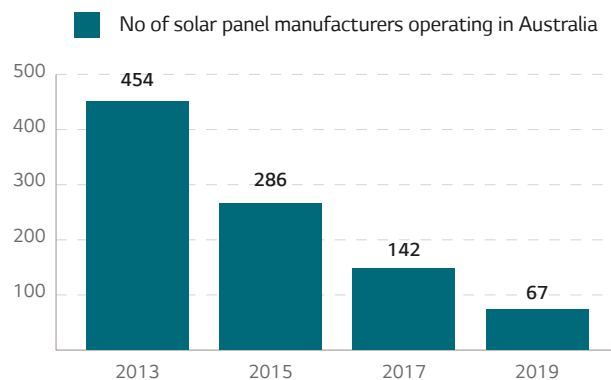
PID (Potential Induced Degradation) affects the long term ability of panels to produce high level electricity output. LG panels have anti PID technology and have been successfully tested by leading third party laboratories regarding PID resistance.



### Positive Tolerance (0/+3%)

If you buy a 370 Watt panel then the flash test of this panel will show somewhere between 370W and 381W. Some competitor panels have -/+ tolerance, so you could get a flash test result below the rated Watt, meaning you pay for Watts you never get.

## Reducing Number of Solar Panel Manufacturers 2013 - 2019



### Fewer and fewer Solar Panel Manufacturers operating in Australia

Number of manufacturers offering solar panels, registered by the Clean Energy Council – indicating how many have come and gone – leaving customers very exposed..

## Awards Received By LG Solar™



Our panel range have won a string of local and International Awards.

## LG Mono X<sup>®</sup> Plus – GREAT PERFORMANCE & STRONG BACKING

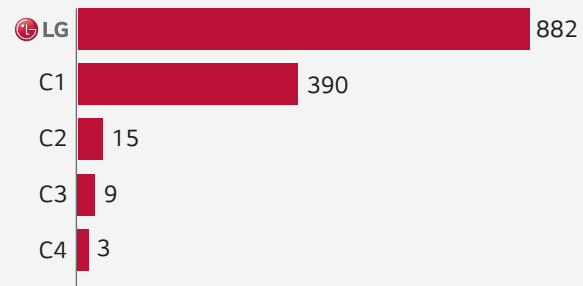
The next generation Mono X<sup>®</sup> Plus by LG combines everything a solar panel needs: long service life and ease of installation as well as a competitive price, and high efficiency and a strong warranty.

### The Warrantor's 2019 Sales in Billions of US Dollars\*



### LG Solar is a Leader in Research

#### Solar Patent Applications from Major Solar Companies



Number of solar patent applications from major competitors (C1 to C4) in Korea, USA and EU (01/01/2010 - 04/03/2020).

#### 18th Most Innovative Company

Boston Consulting Group's (BCG) 2019 Global Innovation Survey ranked LG Electronics the world's 18th most innovative company. LG Electronics is the only solar manufacturer among the world's 50 most innovative companies.

## GREAT WARRANTY

If you buy an LG panel and should there be a warranty issue you will deal with LG Electronics Australia/NZ. You will not have to worry if the importer is still in operation or the manufacturer is located overseas. We are only one phone call away. LG Electronics Australia/NZ backs your product. That's peace of mind. Contact us on solar. sales@lge.com.au or ph 1300 152 179.

LG offers a longer product warranty for parts and labour than many competitors 10 & 12 years to an impressive 15 years.



**10yrs + 5yrs**

## Mechanical Properties

Cells	120 cells (6 x 20)
Cell Type	Monocrystalline / P-type
# of Busbar	9 (Multi Wire Busbar)
Dimensions (L x W x H)	1776 x 1052 x 40 mm
Front Load (Test)	5400 Pa
Rear Load (Test)	3000 Pa
Weight	19.4 kg
Connector Type	Genuine MC4
Junction Box	IP68
Length of Cables	2 x 1095 mm
Front cover	Tempered Glass with AR Coating
Frame	Anodised aluminum

## Certifications and Warranty

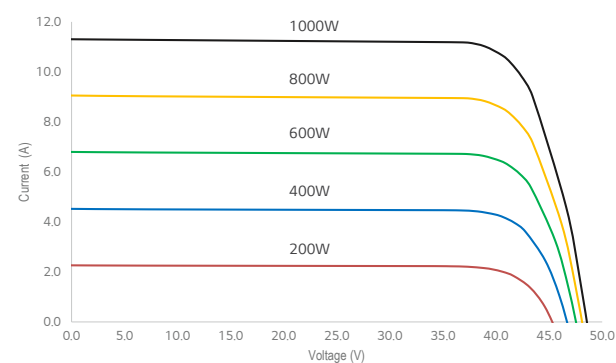
Certifications	ISO 9001, ISO 14001 IEC 61215-1/-1-1/2:2016, IEC 61730-1/-2:2016 OHSAS 18001,
Salt Mist Corrosion Test	IEC 61701: 2012 Severity 6
Ammonia Corrosion Test	IEC 62716: 2013
Module Fire Performance	Class C (UL 790)
Product Warranty	15 Years
Output Warranty of Pmax (Measurement Tolerance $\pm 3\%$ )	Linear Warranty <sup>1)</sup>

<sup>1)</sup> 1st year: 97.5%, 2) After 1st year 0.40% annual degradation, 3) 87.9% for 25 years

## Temperature Characteristics

NOCT	42 $\pm$ 3 °C
Pmax	-0.365 %/°C
Voc	-0.270 %/°C
Isc	0.038 %/°C

## I-V Curves



## Electrical Properties (STC<sup>2)</sup>)

Module Type	365 W	370 W
Maximum Power Pmax (W)	365	370
MPP Voltage Vmpp (V)	33.82	33.95
MPP Current Imp (A)	10.80	10.91
Open Circuit Voltage Voc (V)	41.57	41.72
Short Circuit Current Isc (A)	11.22	11.32
Module Efficiency (%)	19.5	19.8
Operating Temperature (°C)	-40 ~ +85	
Maximum System Voltage (V)	1000 (IEC)	
Maximum Series Fuse Rating (A)	20	
Power Tolerance (%)	0 ~ +3	

<sup>2</sup> 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 (NMOT<sup>3</sup>)

Module Type	365 W	370 W
Maximum Power Pmax (W)	273	277
MPP Voltage Vmpp (V)	31.52	31.64
MPP Current Imp (A)	8.66	8.75
Open Circuit Voltage Voc (V)	38.95	39.09
Short Circuit Current Isc (A)	9.04	9.12

<sup>3</sup> NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/s, Spectrum AM 1.5.

## Dimensions (mm)

