



The Difference
is in the Detail

LG MULTI X

LG260P1W-M3

SOLID PERFORMANCE & WARRANTIES



THE Multi X - RELIABLE QUALITY, BUILT TO LAST.

Clean power from the sun with LG's solar panels. With more than half a century of consumer electronics technology and 25 years of in-depth research and development LG is pleased to introduce its Multi X™ photovoltaic module.

The Multi X™ benefits from LG's years of research and development to long lasting products of high quality. Investing in the LG Multi X™ will provide decades of clean, reliable energy. Choosing the LG products is an investment in superior standards of design, manufacture, back up support and warranties.

LG Multi X™ modules are perfect for general on-grid applications in residential, commercial and utility services. These panels are built with reliable materials, a unique frame design and systematic quality assurance.



Long Lasting Warranties

The Multi X™ support warranties include a 10 year product warranty and a 25 year 2 step output warranty. The output warranty guarantees a minimum power output of 90% at year 12 and 80% at year 25. Because it's LG – these great warranties give you peace of mind.



Reliable for the Future

LG's world-class integrated production processes and quality controls create a solar product that is reliable and long lasting. For example every single LG module is tested via an Electroluminescence (EL) inspection. The EL inspection detects any micro cracks unseen by the naked eye.

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 Multi X™ and Mono X® series, and LG Solar modules are now available in 32 countries. In 2013 and 2015 the LG NeON™ range won the acclaimed IntersolarAward in Germany, which demonstrates LG Solar's lead in innovation and commitment to the renewable energy industry. With over 300 lesser known brands panels on the world market, LG solar panels offer a peace of mind solution.

KEY FEATURES



Highest Testing Standards

LG's product durability testing laboratory has earned certification from both TUV Rheinland and UL (Underwriters Laboratories) a first in the solar industry.



Positive Power Tolerance (0/+3%)

LG provides rigorous quality testing to solar modules to ensure the rates power output. Our Multi X modules have a positive nominal tolerance starting at 0% and going as high as +3%.



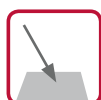
High compatibility with all Inverter Solutions

LG modules are designed for residential, commercial and utility scale systems. The panels will work with all major inverter and micro inverter solutions on the Australian and NZ market.



Fully Automated Production in South Korea

All LG solar panels are manufactured in a custom designed and fully automated production line by LG in Gumi, South Korea. This means great consistency between panels.



Multi Anti-reflective Coatings Increase Output

LG is using an anti-reflective coating on the panel glass as well as on the cell surface to ensure more light is absorbed in the panel and not reflected. More absorbed light means more electricity generation.



Extensive Testing Program

In order to be sold in Australia and NZ solar modules have to be tested and pass the IEC standard tests once. LG solar panels are regularly tested to 2 and up to 4 times the IEC standards by LG's in-house testing laboratories, ensuring a very robust and longer lasting solar module.



Diversified Manufacturer – Lower Risk

There are over 320 panel manufacturers with registered panels for sale with the Clean Energy Council in Australia. LG with its diversified manufacturing portfolio and its billion dollar size has a better opportunity than many others to be a leader in solar in decades to come. This allows you a peace of mind warranty.



Anti PID Technology for Yield Security

PID (Potential Induced Degradation) has been a more recent discovery that can affect the long term performance of the panel. LG panels are manufactured with anti PID technology and have been extensively tested by leading third party testing laboratories regarding PID and passed these tests. This means LG panels are more likely to give decades of clean power.



Smart Water Drain Design

Multi X™ modules have 4 capillary drains placed in every corner on the front side, liquid sliding design between front glass and frame, and 12 drain holes on the rear side.



Anodised Aluminium Frame

All frames of Multi X™ are anodised to lengthen the life cycle of modules by forming thick and dense oxide (SiO₂) that may help protect modules from electrochemically detrimental factors.

LG MULTI X – RELIABLE QUALITY, BUILT TO LAST

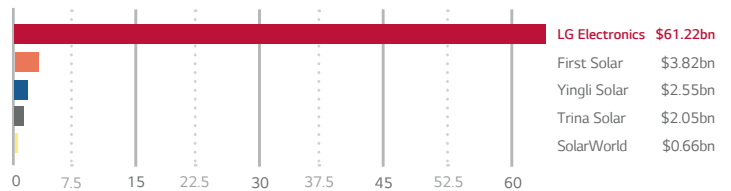
LG is proud to provide its customers with high product value and services. The new Multi X panel combines a solid built, with good performance, long service life and ease of installation.

LOCAL WARRANTY, GLOBAL STRENGTH

LG Solar is part of LG Electronics Inc., a global and financially strong company, with over 50 years of experience in technology.

Good to know: LG Electronics Australia Pty Ltd is the warrantor in Australia and New Zealand for your solar modules. So LG support is only a local phone call away.

The warrantor's 2013 sales in billions of Aus dollars



AWARD WINNING PANELS

The LG solar module quality is valued by installers across Europe, which is why they have awarded our LG solar modules the Top Brand PV award in 2015 for the second time in a row. Moreover, the LG modules have already received the prestigious Plus X Award – one of the biggest innovation awards for technology, sport and lifestyle. Finally our NeON module range received the Intersolar Award in 2013 and 2015 for the double sided wafer and the 12 Multiwire busbar.



SOLAR ENERGY IS NOT A NEW TECHNOLOGY FOR LG

Some companies have sprung up in recent years, making lofty promises of big savings. But where did they come from and where are they going?

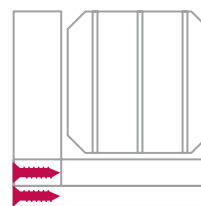
At LG we have been researching, refining and investing in solar technology for more than a quarter of a century.

That's the key to our growing success: We bring you all of that experience, with superior products, dependability and know-how that not many other manufacturers can match.

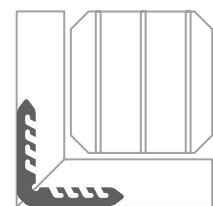


FRAME BINDING WITH SCREW

Since screws are used in the assembly of all Multi X™ frames, the modules are exposed to a much lower risk of physical distortion caused by external forces. The majority of our competitors, however, use the corner-key type (without screws) that leaves them in a far more vulnerable position when facing future distortion from external pressures.



Screw Type
(Multi X™ Series)



Corner-Key Type
(Conventional)

Mechanical Properties

Cells	6 x 10
Cell Vendor	LG
Cell Type	Multicrystalline
# of Busbar	3
Dimensions (L x W x H)	1640 x 1000 x 35 mm
Front Load	5400 Pa
Rear Load	2400 Pa
Weight	17.0
Connector Type	Genuine MC4, IP67 (Male: PV-KST4) (Female: PV-KBT4)
Junction Box	IP67 with 3 bypass diodes
Length of Cables	2 x 1000 mm
Front cover	High transmission tempered glass
Frame	Anodised aluminium

Electrical Properties (STC²)

Module Type	260 W
Maximum power at STC (Pmax)	260
MPP Voltage Vmpp (V)	30.9
MPP Current Impp (A)	8.44
Open Circuit Voltage Voc (V)	37.8
Short Circuit Current Isc (A)	9.04
Module Efficiency (%)	15.9
Operating Temperature (°C)	-40 - +90
Maximum System Voltage (V)	1000
Maximum Series Fuse Rating (A)	20
Power Tolerance (%)	0 - +3

² 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 200 W/m² in relation to 1000 W/m² is -2.0%.

Certifications and Warranty

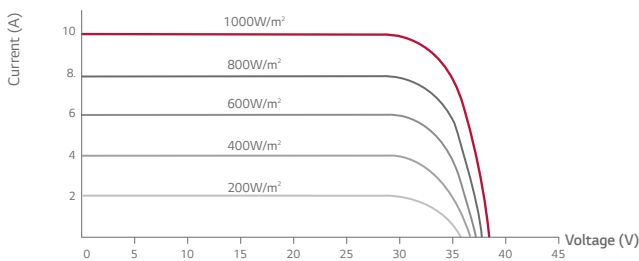
Certifications	IEC 61215 IEC 61730-1/-2 ISO 9001
Module Fire Rating	Class C
Product Warranty	10 Years
Output Warranty of Pmax (Measurement Tolerance ± 3%)	Step Warranty ¹

¹ 1) 1st year: 90%, 2) After 12th year: 80%

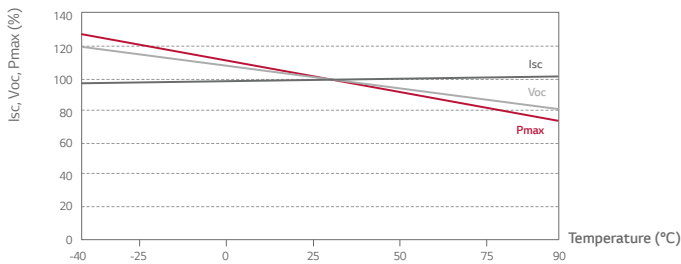
Temperature Characteristics

NOCT	45 ± 3 °C
Pmax	-0.43 %/°C
Voc	-0.31 %/°C
Isc	0.04 %/°C

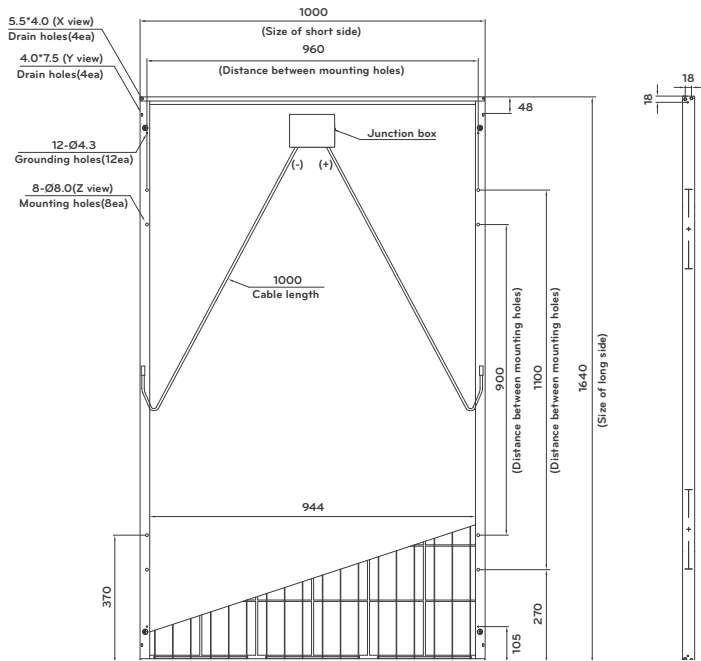
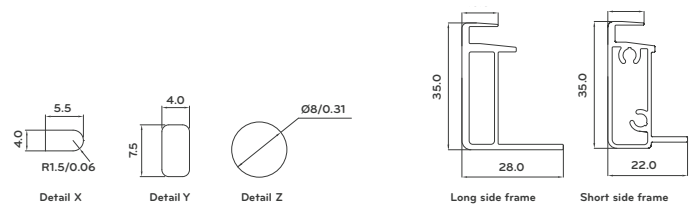
Current – Voltage characteristics at various irradiance levels



Current – Voltage characteristics at various cell temperatures



Dimensions (mm)



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