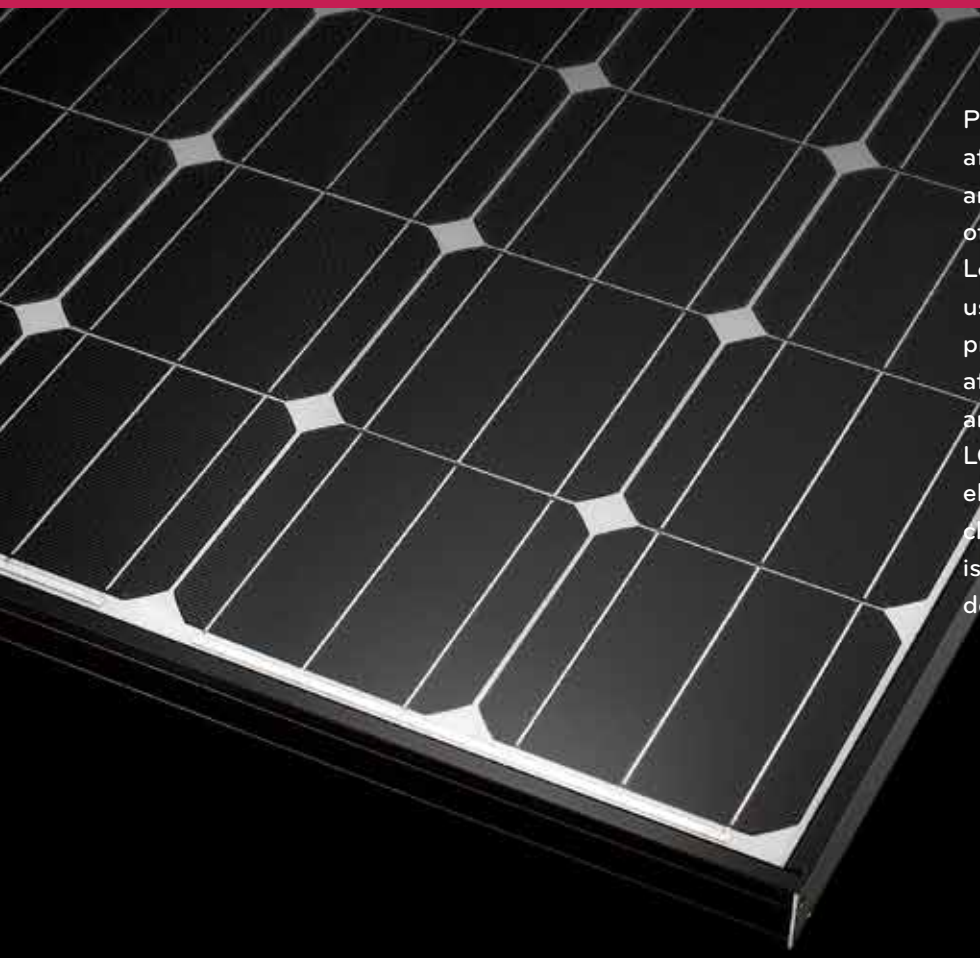
LG
Life's Good

Mono X™

LG260S1C / LG255S1C / LG250S1C



Power from the sun: clean, renewable, affordable. This is the dream of solar energy, and LG is making it real with the introduction of the Mono X™ solar module.
Loaded with features for easy installation, use and maintenance, the Mono X™ modules provide decades of clean, renewable and affordable energy for residential, commercial and utility applications.
LG's long and successful record in the electronics industry provides assurance that choosing LG's state-of-the-art solar modules is an investment in superior standards of design, manufacture and support.

World's 1st
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c UL us CE

The LG Mark of Excellence
Customers rest assured of cutting-edge technology and dependability when they see the LG logo on every cell. The LG logo reflects the high standards that have guided LG for more than 50 years.

Accredited Testing Lab
LG's laboratory has earned the stamp of approval from both TÜV Rheinland and Underwriters Laboratories as an official testing laboratory, another sign of LG's commitment to excellence.

Long-lasting Warranty and Support
LG always stands by its products with sterling warranty policies. The Mono X™ support policy includes a 10-year product warranty, a 12-year 90% power warranty, and a 25-year 80% power warranty.

Designed for Durability
LG solar modules are designed with slim and durable glass to be light in weight while also being able to withstand heavy loads up to 5400 Pa.

Positive Power Tolerance
LG provides rigorous quality testing to solar modules to assure customers of the stated power outputs of all modules, with a positive nominal tolerance starting at 0%.

Commitment to a Clean Environment
The Mono X™ module is the first in the world authorized to display the Carbonfree Certified® Label. To be certified, the Mono X™ passed a rigorous Life Cycle Assessment from raw materials to end of use.

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Mechanical Properties

Cells	6 x 10
Cell vendor	LG
Cell type	Monocrystalline
Cell dimensions	156 x 156 mm² / 6 x 6 in²
# of busbar	3
Dimensions (L x W x H)	1632 x 986 x 42 mm
	64.25 x 38.82 x 1.65 in
Maximum load (Pa)*	5400 (113 psf)
Weight	19 kg / 41.89 lb
Connector type*	Tyco connector IP 67
Junction box	IP 65 with 3 bypass diodes
Length of cables	2 x 1000 mm / 2 x 39.37 in

* Under the IEC standards
* NEC 2008 compliant

Certifications and Warranty

Certifications	IEC 61215 Ed.2, IEC 61730, UL 1703
Product warranty	10 years
Output warranty of Pmax	12 years – 90%
	25 years – 80%

Temperature Coefficients

NOCT	43.7 ± 2 °C
Pmpp	-0.469 %/K
Voc	-0.128 V/K, -0.338 %/K
Isc	3.78 mA/K, 0.043 %/K

Electrical Properties (STC*)

	LG260S1C	LG255S1C	LG250S1C
Maximum power at STC (Pmax)	260	255	250
MPP voltage (Vmpp)	30.1	30.0	29.9
MPP current (Impp)	8.64	8.50	8.37
Open circuit voltage (Voc)	37.3	37.2	37.1
Short circuit current (Isc)	8.94	8.85	8.76
Module efficiency (%)	16.2	15.8	15.5
Operating temperature (°C)		-40 ~ +90	
Maximum system voltage (V)		600	
Maximum series fuse rating (A)		20	
Power tolerance (%)		0 ~ +3	

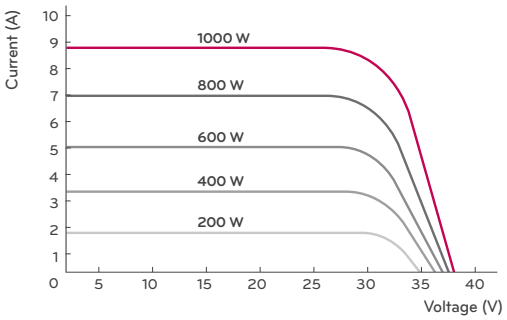
* STC (Standard Test Condition): Irradiance 1000 W/m², module temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

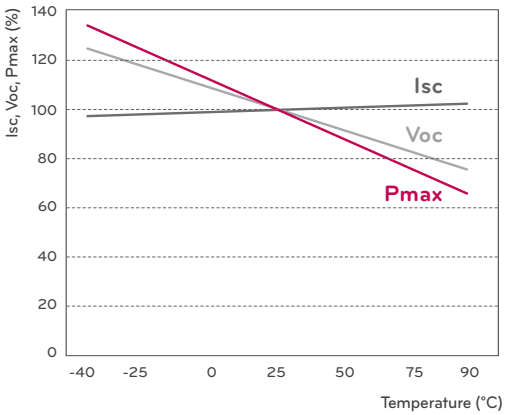
Electrical Properties (NOCT*)

	LG260S1C	LG255S1C	LG250S1C
Maximum power (W)	189	186	182
Maximum power voltage (V)	27.11	27.01	26.91
Maximum power current (A)	6.98	6.87	6.77
Open circuit voltage (Voc)	34.61	34.51	34.41
Short circuit current (Isc)	7.22	7.15	7.08
Efficiency reduction (from 1000 W/m² to 200 W/m²)		< 4.5 %	

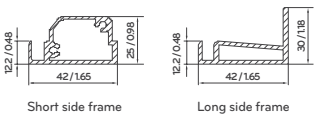
* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s

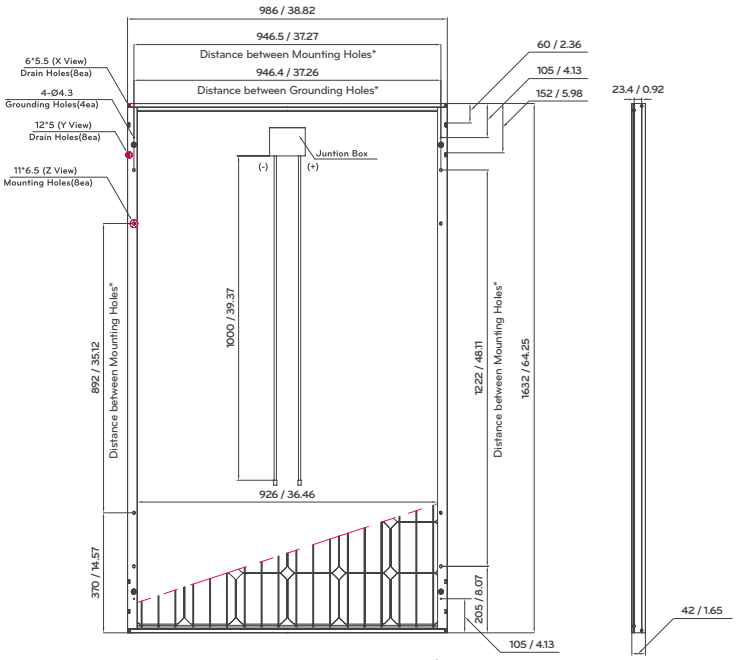
Characteristic Curves





Dimensions (mm/in)





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

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Product specifications are subject to change without notice.