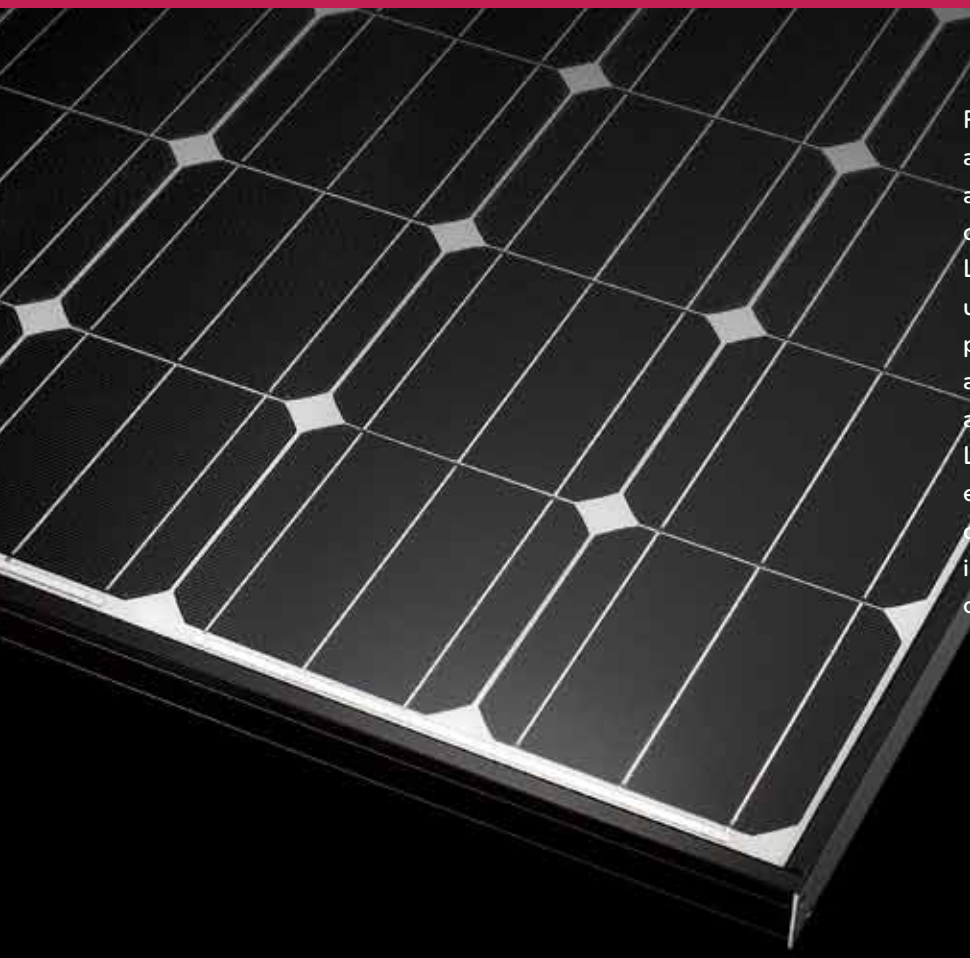
LG
Life's Good

MonoX™

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 MonoX™ solar module.
Loaded with features for easy installation, use and maintenance, the MonoX™ 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

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.

100% EL Test Completed
All LG modules are tested by Electroluminescence inspection. The EL inspection detects cracks unseen by the naked eye.

25 Years Linear Warranty
LG always stands by its products with sterling warranty policies. The linear performance warranty guarantees at least 80.2% power output by the end of the 25th year.

The Extra 2% Power
LG produces 3 groups of solar modules which are sorted by their current class in order to maximize the system output up to 2%.

Current Sorting

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%.

Positive Power Tolerance

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

CO_2 Reduction

Mono X™

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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	18.4 kg / 40.57 lb
Connector type	MC4 connector IP67
Junction box	IP65 with 3 bypass diodes
Length of cables	2 x 1000 mm / 2 x 39.37 in

Certifications and Warranty

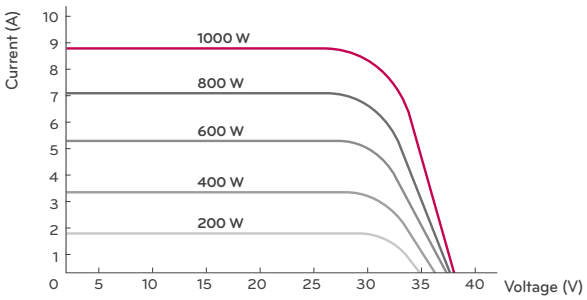
Certifications	IEC 61215, IEC 61730-1/-2, IEC 61701, DLG-FokusTest "Ammonia Resistance", UL 1703, ISO 9001
Product warranty	10 years
Output warranty of Pmax	Linear warranty*

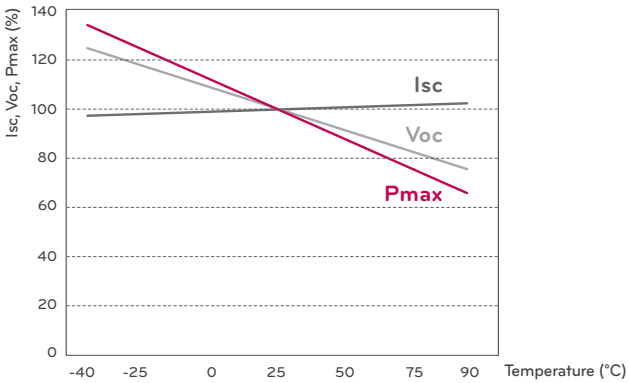
* 1) 1st year: 97%, 2) After 2nd year: 0.7% annual degradation, 3) 80.2% for 25 years

Temperature Coefficients

NOCT	46.0 ± 2 °C
Pmpp	-0.420 %/K
Voc	-0.306 %/K
Isc	0.042 %/K

Characteristic Curves





Electrical Properties (STC*)

	LG260S1C	LG255S1C	LG250S1C
Maximum power at STC (Pmax)	260	255	250
MPP voltage (Vmpp)	30.8	30.6	30.4
MPP current (Impp)	8.46	8.35	8.24
Open circuit voltage (Voc)	38.0	37.8	37.7
Short circuit current (Isc)	8.95	8.85	8.75
Module efficiency (%)	16.2	15.8	15.5
Operating temperature (°C)		-40 ~ +90	
Maximum system voltage (V)		1000	
Maximum series fuse rating (A)		15	
Power tolerance (%)		0 ~ +3	

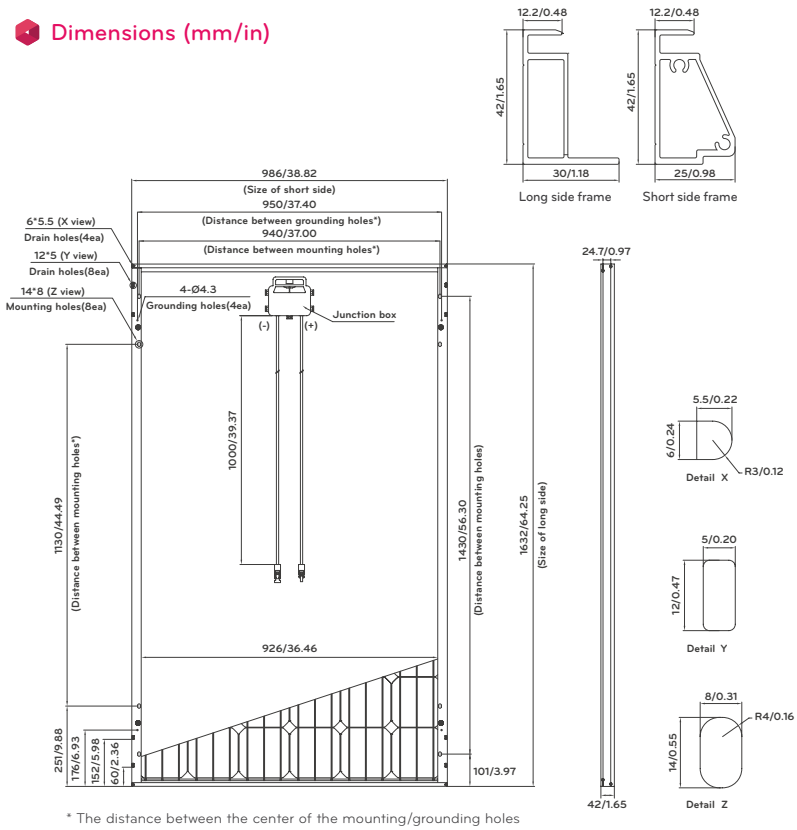
* STC (Standard Test Condition): Irradiance 1000 W/m², module temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Electrical Properties (NOCT*)

	LG260S1C	LG255S1C	LG250S1C
Maximum power (W)	192	188	184
Maximum power voltage (V)	28.1	27.9	27.7
Maximum power current (A)	6.83	6.74	6.65
Open circuit voltage (Voc)	35.2	35.1	34.9
Short circuit current (Isc)	7.22	7.14	7.06
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

Dimensions (mm/in)



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

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