LG
Life's Good

Mono X™

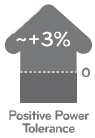
LG260S1C / LG255S1C / LG250S1C / LG245S1C

With more than half a century of consumer electronics technology and 25 years of in-depth R&D, LG is pleased to introduce its first breakthrough photovoltaic modules.
LG photovoltaic modules are perfect for general on-grid applications in residential, commercial and utility services.
Built with reliable materials, a unique design and systematic quality assurance, LG is proud to provide its customers with unmatched product value and services.

TÜVRheinland® CE

LG Cell Technology
With 25 years of devoted and thorough research and development, LG has successfully developed a solar cell that is cutting edge and reliable.

Positive Power Tolerance
LG delivers its products with the world's most rigorous product assurance – a nominal power tolerance starting at 0%.



Superior Durability
LG photovoltaic modules withstand a maximum load of 5400 Pa, are light in weight and built with glass that is slim yet durable.

Unique Frame Design
LG photovoltaic modules are uniquely designed to drain liquid in all slopes and angles.

Warranty & Services
LG offers a reliable support policy that is comprised of a 5-years product warranty, 12-years 90% power warranty and 25-years 80% power warranty.

Certified Laboratory
LG has met the core standard specifications for solar modules and became the official test laboratory certified by TÜV Rheinland and Underwriters Laboratories.

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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)	113 psf (5400 Pa)
Weight	19 kg / 41.89 lb
Connector type	Yukita connector IP 67
Junction box	IP 65 with 3 bypass diodes
Length of cables	2 x 1000 mm / 2 x 39 in

Certifications and Warranty

Certifications	IEC 61215 Ed.2, IEC 61730, UL 1703
Product warranty	5 years
Output warranty of Pmin	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	LG245S1C
Maximum power at STC (Pmax)	260	255	250	245
MPP voltage (Vmpp)	30.1	30.0	29.9	29.8
MPP current (Impp)	8.64	8.50	8.37	8.23
Open circuit voltage (Voc)	37.3	37.2	37.1	37.0
Short circuit current (Isc)	8.94	8.85	8.76	8.67
Module efficiency (%)	16.2	15.8	15.5	15.2
Operating temperature	-40 °C ~ +90 °C			
Maximum system voltage	1000 V			
Maximum series fuse rating	15 A			
Power tolerance	0 ~ +3 %			

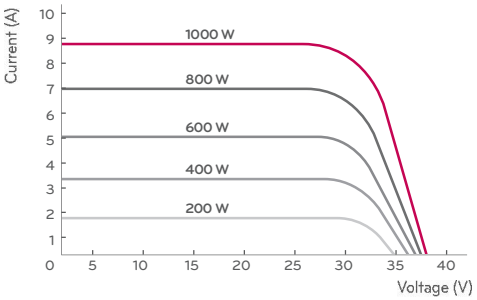
* STC (Standard Test Condition): Irradiance 1000 W/m², module temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

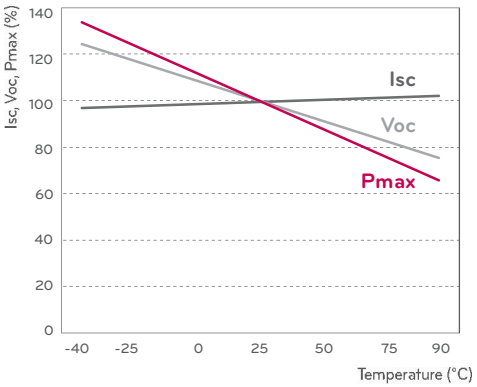
Electrical Properties (NOCT*)

	LG260S1C	LG255S1C	LG250S1C	LG245S1C
Maximum power (W)	183	179	176	172
Maximum power voltage (V)	27.53	27.44	27.35	27.25
Maximum power current (A)	6.64	6.53	6.42	6.31
Open circuit voltage (Voc)	34.73	34.64	34.54	34.45
Short circuit current (Isc)	6.92	6.84	6.77	6.70
Efficiency reduction (from 1000 W/m² to 200 W/m²)	< 4.5 %			

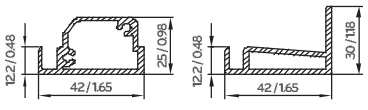
* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s

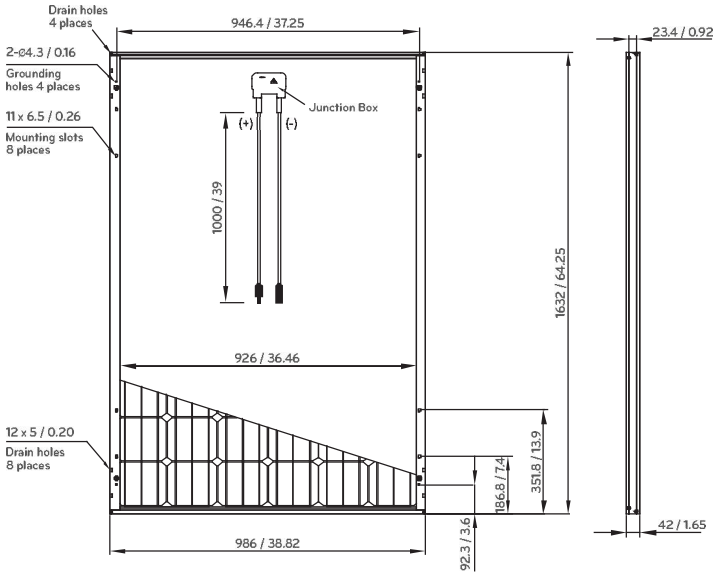
Characteristic Curves





Dimensions (mm/in)





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