

We are pleased to introduce LG's breakthrough photovoltaic module with 25 years of in-depth R&D and more than half a century of Consumer Electronics technology and services. LG photovoltaic modules are perfect for on-grid general applications, such as residential, commercial, or utilities. Built with reliable material, a unique design, and systematic quality assurance, we promise to provide our customers with unmatched product value and services.



LG Cell Technology

With 25 years of devoted and thorough R&D, LG has successfully developed a Solar Cell that is both cutting edge and reliable.



Certified Laboratory

LG developed the core standard specifications for a solar module and became an official test laboratory certified by TÜV Rheinland and Underwriters laboratories.



Unmatched Warranty & Services

LG has an industry leading support policy that comprises of a 5-year product warranty, 12-year 90% power warranty, and 25-year 80% power warranty.



Positive Power Tolerance

LG delivers each and one of its products with the world's most rigorous product assurance. Nominal power tolerance starts at 0%.



Superior Durability

Withstanding the maximum load of 5400 Pa, it is light in weight with a slim glass and durable modules.

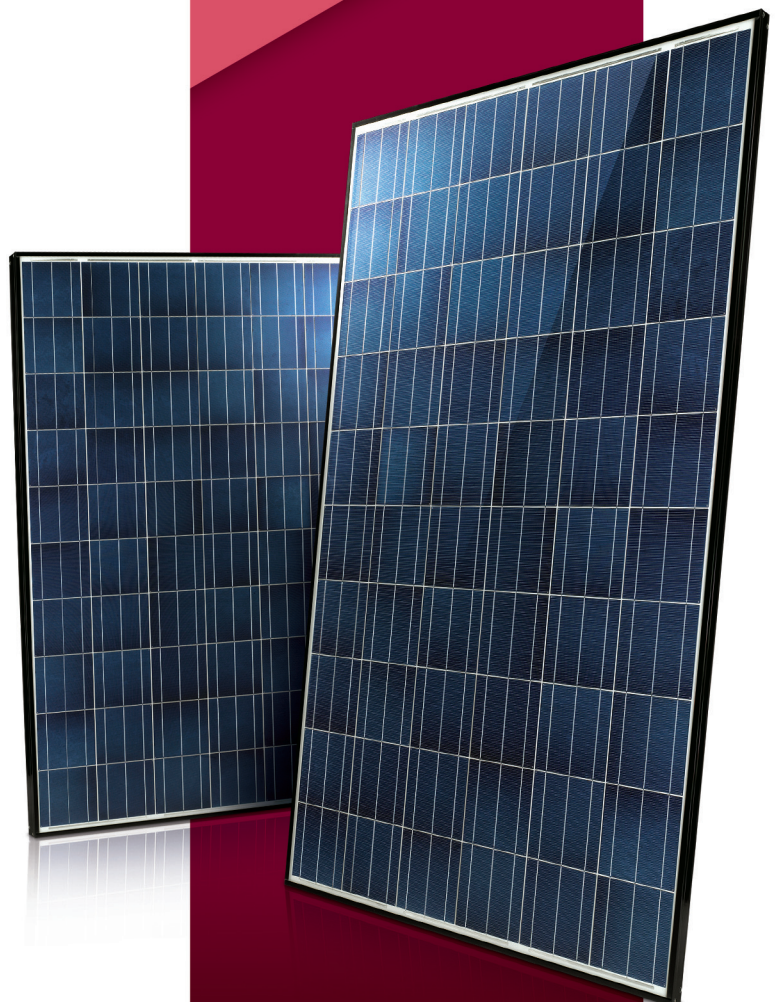


Unique Frame Design

LG photovoltaic modules are uniquely designed to drain liquid even when installed in unsurpassed, slopes and angles while the frames are designed for an easy grip.

LG Multicrystalline Solar Module

LG230P1C / LG225P1C / LG220P1C



LG Multicrystalline Solar Module

LG230P1C / LG225P1C / LG220P1C

Mechanical Properties

Cells	6 x 10
Cell vendor	LG
Cell type	Multicrystalline
Cell dimensions	156 x 156 mm ²
	6 x 6 in ²
# of busbar	3
Dimensions (L x W x H)	1632 x 986 x 42 mm
	64.25X38.82X1.65 in
Maximum load (Pa)	5400
Weight	18.93 kg / 41.58 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 in

Certifications & Warranty

Certification (To be processed or pending)	IEC 61215 Ed.2, 61730, UL 1703
Product warranty	5 years
Output warranty of P _{min}	12 years - 90% 25 years - 80%

Electrical Properties (*STC)

Max. output (P _{max})	230 W _p	225 W _p	220 W _p
Performance tolerance	0 ~ +3 %		
Module efficiency	14.3 %	14.0 %	13.7 %
MPP voltage (V _{mpp})	29.1 V	29.0 V	28.9 V
MPP Current (I _{mpp})	7.91 A	7.76 A	7.62 A
Open-circuit voltage (V _{oc})	36.4 V	36.3 V	36.1 V
Short-circuit current (I _{sc})	8.39 A	8.30 A	8.21 A
Maximum system voltage	1000 V (UL 600 V)		
Series fuse rating (A)	15 A		

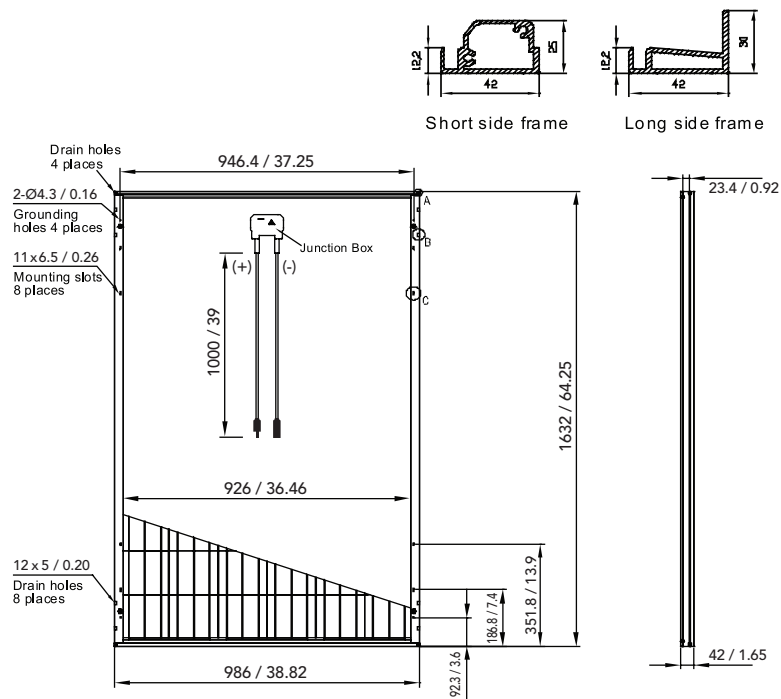
*The electrical properties applies under Standard Test Conditions (STC) with 1000 W/m² irradiation, 25°C cell temperature, and AM 1.5 spectrum.
The rated electrical characteristics are subject to a manufacturing tolerance of 0~3%

*The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Temperature Coefficients

NOCT	45 ± 2 °C
P _{max}	-0.46 %/K
V _{oc}	-0.34 %/K
I _{sc}	0.016 %/K

Dimensions (mm/in)



For product or purchase inquiries contact:

Characteristic Curves

ecodirect
CLEAN ENERGY SOLUTIONS
www.ecodirect.com

