

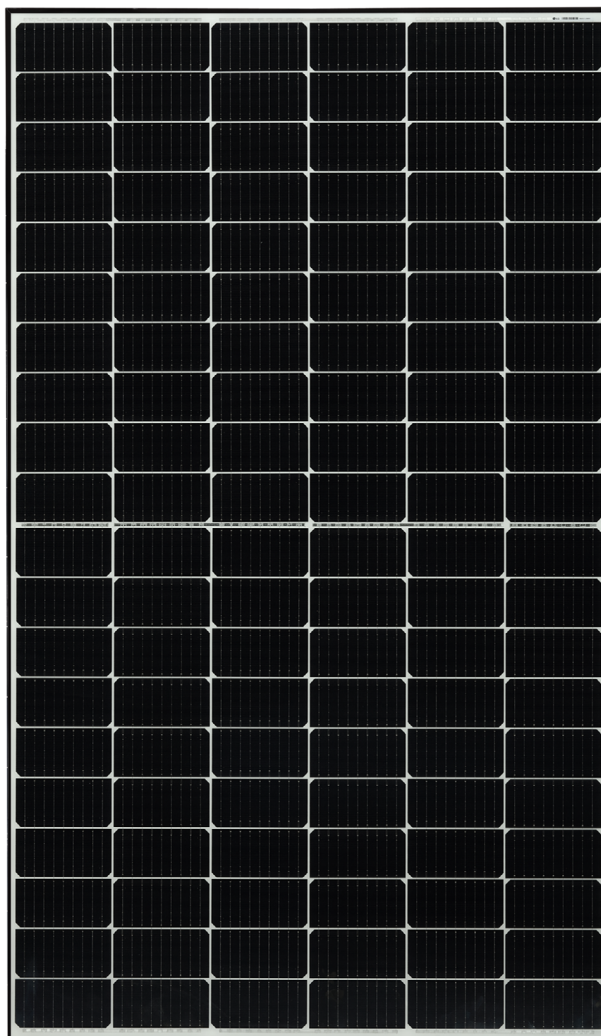
LG Mono X[®] Plus



120

375W | 370W | 365W

LG MonoX[®] Plus is LG's robust P-type module that maintains high performance and efficiency.



Feature



15 years Product Warranty

LG Mono X[®] Plus is covered by product warranty to 15 years.



Outstanding Durability

The LG MonoX[®] Plus's stress endurance is rated to handle up to 5400 Pa on the front side and up to 3000 Pa on the rear side.

About LG Electronics

LG Electronics is a global big player, committed to expanding its operations with the solar market. The company first embarked on a solar energy source research program in 1985, supported by LG Group's vast experience in the semi-conductor, LCD, chemistry and materials industries. In 2010, LG Solar successfully released its first MonoX[®] series to the market, which is now available in 32 countries. The NeON[®] (previous MonoX[®] NeON), NeON[®]2, NeON[®]2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG Solar's lead, innovation and commitment to the industry.



LG Mono X[®] Plus

LG375S1C-U6 | LG370S1C-U6 | LG365S1C-U6

Mechanical Properties

Cell Properties(Material / Type)	Monocrystalline / P-type
Cell Configuration	120 cells (2 x (6 x 10))
Number of Busbar	9 EA
Module Dimensions (L x W x H)	1,776 x 1,052 x 40 mm
Weight	19.4 kg
Glass(Material)	Tempered Glass with AR coating
Backsheet (Color)	White
Frame (Material)	Anodized Aluminium
Junction Box(Protection Degree)	IP68
Cables(Length)*	1,150mm x 2EA
Connector(Type / Maker)	MC4 (IEC 1000V)

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2 2016, IEC 61730-1/2:2016
	ISO 9001, ISO 14001
	OHSAS 18001
Salt Mist Corrosion Test	IEC 61701 : 2012 Severity 6
Ammonia Corrosion Test	IEC 62716 : 2013
Fire Rating	Class C (UL 790)
Product Warranty	15 Years
Output Warranty of Pmax	Linear Warranty*

* 1) 1st year: 97.5%, 2) After 1st year: 0.4% annual degradation, 3) 87.9% for 25 years

Temperature Characteristics

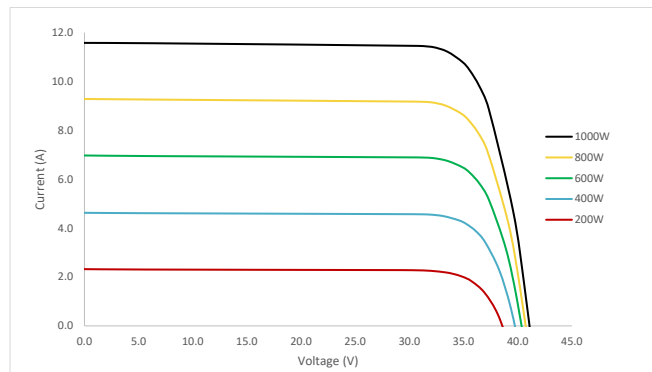
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.365
Voc	[%/°C]	-0.270
Isc	[%/°C]	0.038

* NMOT (Nominal Module Operating Temperature): Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s, Spectrum AM1.5

Electrical Properties (NMOT)

Model		LG375S1C-U6	LG370S1C-U6	LG365S1C-U6
Maximum Power (Pmax)	[W]	281	277	273
MPP Voltage (Vmpp)	[V]	31.76	31.64	31.52
MPP Current (Impp)	[A]	8.84	8.75	8.66
Open Circuit Voltage (Voc)	[V]	39.24	39.09	38.95
Short Circuit Current (Isc)	[A]	9.20	9.12	9.04

Characteristic Curves



Electrical Properties (STC*)

Model		LG375S1C-U6	LG370S1C-U6	LG365S1C-U6
Maximum Power (Pmax)	[W]	375	370	365
MPP Voltage (Vmpp)	[V]	34.10	33.95	33.82
MPP Current (Impp)	[A]	11.01	10.91	10.80
Open Circuit Voltage (Voc)	[V]	41.89	41.72	41.57
Short Circuit Current (Isc)	[A]	11.43	11.32	11.22
Module Efficiency	[%]	20.1	19.8	19.5
Power Tolerance	[%]	0 ~ +3		

* STC (Standard Test Condition): Irradiance 1000 W/m², cell temperature 25 °C, AM 1.5, Measurement Tolerance : ± 3%

Operating Conditions

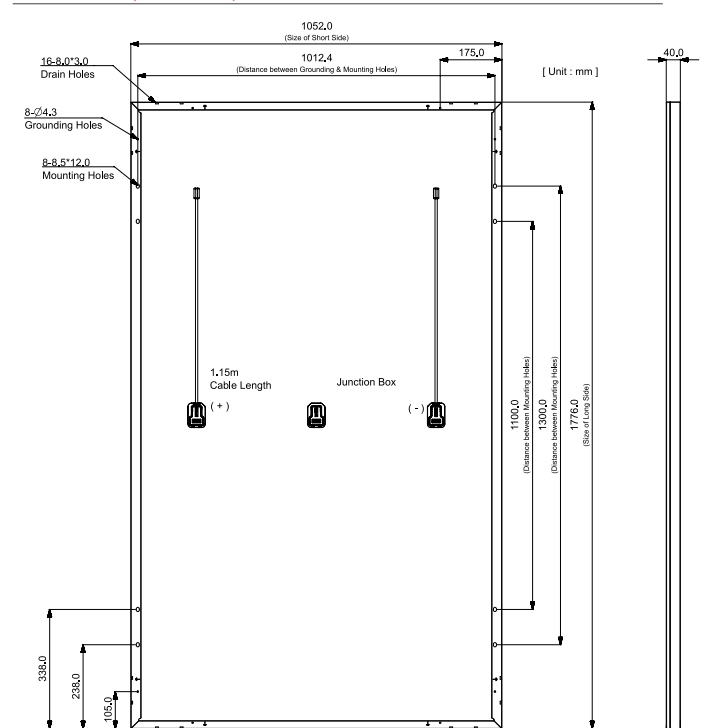
Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1000 (IEC)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load(Front)	[Pa/psf]	5,400 / 113
Mechanical Test Load(Rear)	[Pa/psf]	3,000 / 62

* Test Load = Design Load x Safety Factor (1.5)

Packaging Configuration

Number of Modules per Pallet	[EA]	25
Number of Modules per 40ft HQ Container	[EA]	600
Packaging Box Dimensions (LxWxH)	[mm]	1,825 x 1,130 x 1,225
Packaging Box Gross Weight	[kg]	540

Dimensions (mm / inch)



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



LG Electronics Inc.
Solar Business Division
LG Twin Towers, 128 Yeouui-daero, Yeongdeungpo-gu, Seoul
07336, Korea
www.lg-solar.com

Product specifications are subject to change without notice.
DS-U6-120-C -G-F-EN-200716

© 2020 LG Electronics. All rights reserved

