

LG MonoX[®] Plus

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

375W | 370W | 365W

FEATURES



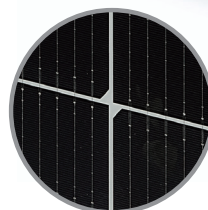
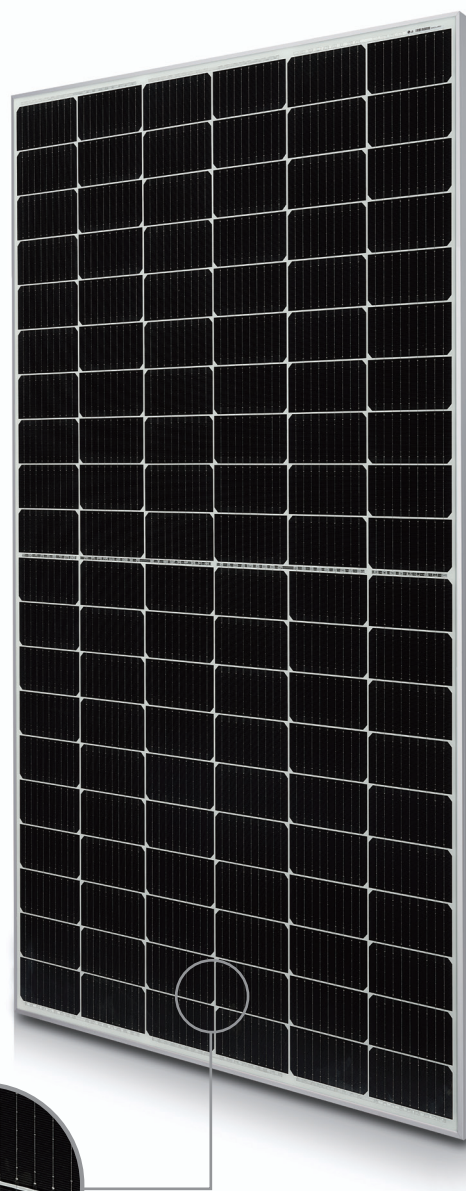
Extended Product Warranty

The LG MonoX[®] Plus now comes with a product warranty extended to 15 years.



Outstanding Durability

LG MonoX[®] Plus is rated to withstand up to 5400 Pa on the front side and up to 3000 Pa on the rear side.



120_{cell}

About LG Electronics

LG is transforming today's solar landscape, offering high-efficiency solar panels for customers who demand high performance, reliability and consistently strong energy yield from a brand they can trust. LG's modules feature high power outputs, outstanding durability, appealing aesthetics and high-efficiency technology.



LG Mono X[®] Plus

LG375S1W-U6 / LG370S1W-U6 / LG365S1W-U6

General Data

Cell Properties (Material / Type)	Monocrystalline / P-type
Cell Configuration	120 cells (6 x 20)
Number of Busbar	9EA
Module Dimensions (L x W x H)	1,776 x 1,052 x 40mm
Weight	19.7kg
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) First years : 97.5%, 2) After 1st year : 0.4% annual degradation, 3) 87.9% for 25 years

Temperature Characteristics

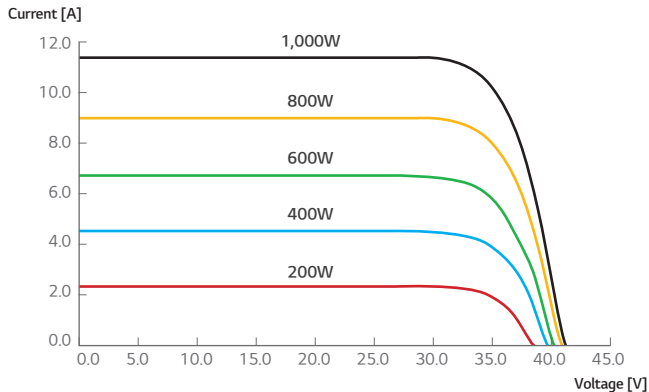
NMOT*	[°C]	42 ± 3
Pmax	[%/°C]	-0.365
Voc	[%/°C]	-0.270
Isc	[%/°C]	0.038

* NMOT (Nominal Module Operating Temperature)
: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

Model		LG375S1W-U6	LG370S1W-U6	LG365S1W-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	9.21	9.04

I-V Curves



Electrical Properties (STC*)

Model		LG375S1W-U6	LG370S1W-U6	LG365S1W-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, ±3 %)	[V]	41.89	41.72	41.57
Short Circuit Current (Isc, ±4 %)	[A]	11.43	11.32	11.22
Module Efficiency	[%]	20.1	19.8	19.5
Power Tolerance	[%]	0 ~ +3		

* STC (Standard Test Condition)
: Irradiance 1000W/m², Cell temperature 25°C, AM 1.5

Operating Conditions

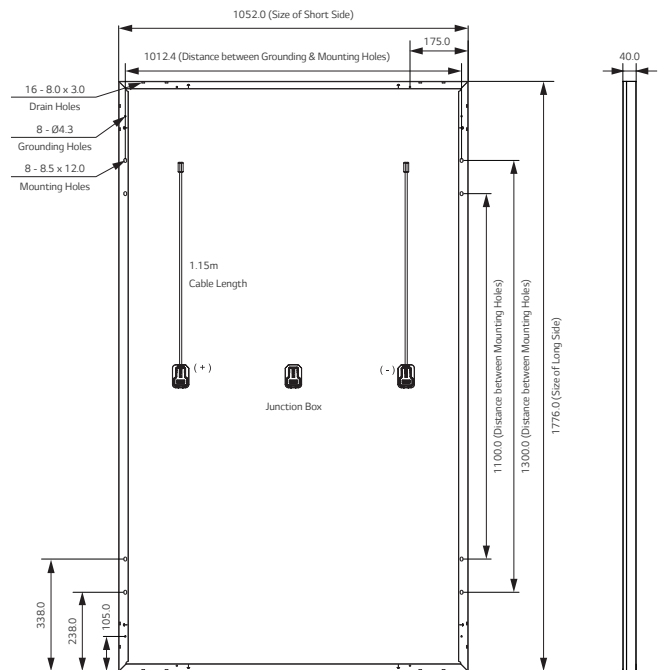
Operating Temperature	[°C]	-40 ~ +85
Maximum System Voltage	[V]	1000 (IEC)
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa/psf]	5,400 / 113
Mechanical Test Load (Rear)	[Pa/psf]	3,000 / 62

* 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 (L x W x H)	[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.

