LG MonoX® Plus

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LG360S2W-A5 | LG355S2W-A5 | LG350S2W-A5

360W | 355W | 350W

LG MonoX® Plus is an extremely robust P-type module that maintains high performance by using LG's LiLY Technology.
LG also provides an enhanced warranty by LiLY Technology.

Feature

Enhanced Performance Warranty

LG Mono X® Plus has an enhanced performance warranty. The initial degradation of cells has -2%, and the annual rate of degradation has fallen -0.55%/yr.

Reduced LID

The LG MonoX® Plus remains resilient against light induced degradation through the use of LG's LiLY Technology.

Extended Product Warranty

As well as the enhanced performance warranty, LG Mono X® Plus is covered by product warranty for 12 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 4300 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 MonoX® Plus

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Mechanical Properties

Cells	6 x 12
Cell Vendor	LG
Cell Type	Monocrystalline / P-type
Cell Dimensions	161.7 x 161.7 mm / 6 inches
# of Busbar	4
Dimensions (L x W x H)	2,024 x 1,024 x 40 mm
	79.69 x 40.31 x 1.57 in
Front Load	5,400 Pa / 113 psf
Rear Load	4,300 Pa / 90psf
Weight	21.7kg / 47.84 lb
Connector Type	MC4 (MC) or JM601A (JMTHY)
Junction Box	IP68 with 3 Bypass Diodes
Cables	1,200 mm x 2 ea / 47.24 in x 2 ea
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminium

Certifications and Warranty

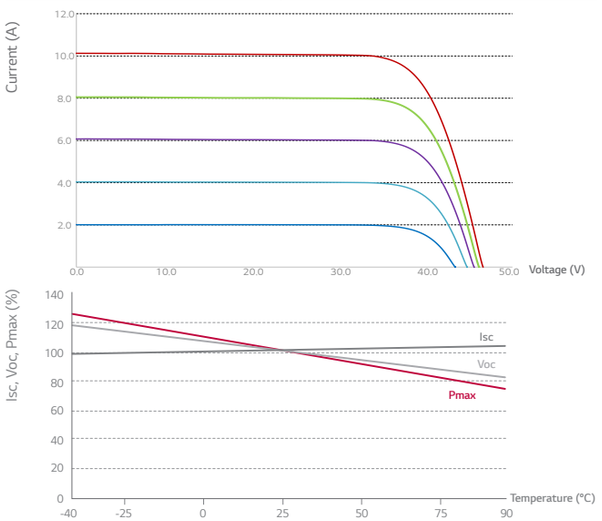
Certifications	IEC 61215, IEC 61730-1/-2
	UL 1703
	IEC 61701 (Salt mist corrosion test)
	IEC 62716 (Ammonia corrosion test)
	ISO 9001
Module Fire Performance	Type 1 (UL 1703)
Fire Rating	Class C (ULC/ORD C 1703, IEC 61730)
Product Warranty	12 Years
Output Warranty of Pmax	Linear Warranty*

* 1) 1st year: 98%, 2) After 1st year: 0.55%p annual degradation, 3) 84.8% for 25 years

Temperature Characteristics

NOCT	[°C]	45 ± 3
Pmax	[%/°C]	-0.41
Voc	[%/°C]	-0.30
Isc	[%/°C]	0.03

Characteristic Curves



Electrical Properties (STC*)

Model		LG360S2W-A5	LG355S2W-A5	LG350S2W-A5
Maximum Power (Pmax)	[W]	360	355	350
MPP Voltage (Vmpp)	[V]	37.7	37.4	37.1
MPP Current (Impp)	[A]	9.56	9.50	9.44
Open Circuit Voltage (Voc)	[V]	46.6	46.4	46.3
Short Circuit Current (Isc)	[A]	10.12	10.07	10.02
Module Efficiency	[%]	17.4	17.1	16.9
Operating Temperature	[°C]	-40 ~ +90		
Maximum System Voltage	[V]	1,000(IEC), 1,500(UL)		
Maximum Series Fuse Rating	[A]	20		
Power Tolerance	[%]	0 ~ +3		

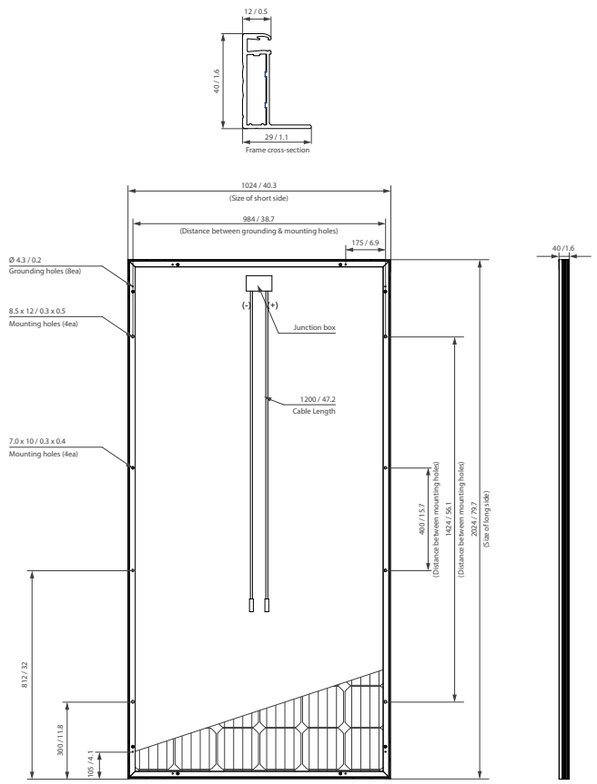
* STC (Standard Test Condition): Irradiance 1000 W/m², cell temperature 25 °C, AM 1.5
The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Electrical Properties (NOCT*)

Model		LG360S2W-A5	LG355S2W-A5	LG350S2W-A5
Maximum Power (Pmax)	[W]	264	260	257
MPP Voltage (Vmpp)	[V]	34.6	34.3	34.0
MPP Current (Impp)	[A]	7.63	7.58	7.54
Open Circuit Voltage (Voc)	[V]	43.2	43.0	42.9
Short Circuit Current (Isc)	[A]	8.14	8.10	8.06

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

Dimensions (mm / inch)



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

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Product specifications are subject to change without notice.
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