

LG MonoX[®] Plus

LG360S2W-A5 | LG355S2W-A5
LG350S2W-A5

72 cell

LG MonoX[®] Plus is LG Electronics's high-quality monocrystalline module. The quality is the result of our strong commitment to developing a module to improve benefits for customers. Features of MonoX[®] Plus include durability, convenient installation, and aesthetic exterior.



Key Features



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

LG Mono X[®] Plus has reduced the initial degradation of solar cells by applying LG's new LiLY (LID-improvement for Lifetime Yield) Technology, which controls the reaction of Boron and Oxygen, the main cause of LID (Light Induced Degradation)



Improved Product Warranty

As well as the enhanced performance warranty, LG Mono X[®] Plus is covered by product warranty for 12 years.



Light and Convenient

LG Mono X[®] Plus has been carefully designed, it weighs just 21.7kg and has better grips that allow for quick installation.

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.

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LG Mono^X® Plus

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 | 2,400 Pa / 50 psf |
| Weight | 21.7kg / 47.84 lb |
| Connector Type | MC4 (MC) |
| 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

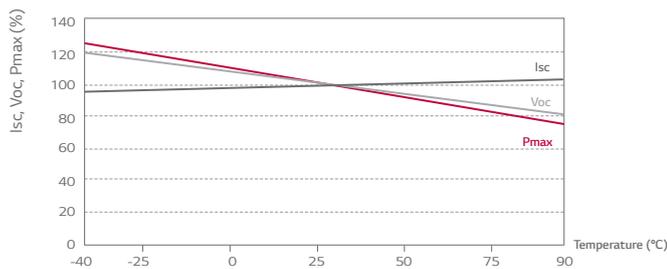
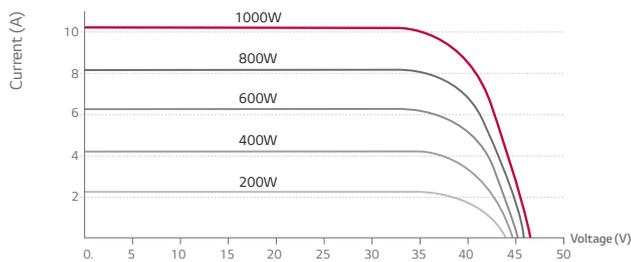
| | |
|-------------------------|--------------------------------------|
| Certifications | IEC 61215, IEC 61730-1/-2 |
| | UL 1703 |
| | IEC 61701 (Salt mist corrosion test) |
| | IEC 62716 (Ammonia corrosion test) |
| Module Fire Performance | ISO 9001 |
| Fire Resistance Class | Type 1 (UL) |
| Product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

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

Temperature Characteristics

| | | |
|------|--------|--------|
| NOCT | [°C] | 45 ± 3 |
| Pmpp | [%/°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, module temperature 25 °C, AM 1.5

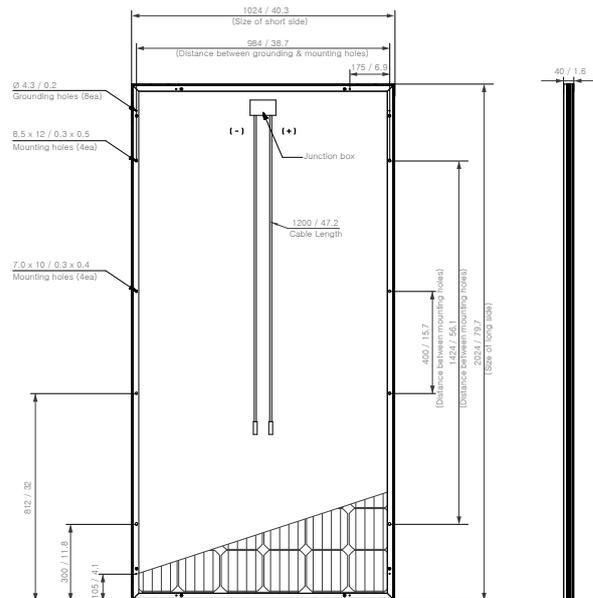
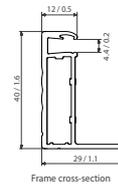
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

Electrical Properties (NOCT*)

| 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.

