Power from the sun: clean, renewable, affordable. This is the dream of solar energy, and LG is making it real with the introduction of the Mono X™ solar module. Loaded with features for easy installation, use and maintenance, the Mono X™ modules provide long lasting of clean, renewable and affordable energy for residential, commercial and utility applications.

LG's long and successful record in the electronics industry provides assurance that choosing LG's state-of-the-art solar modules is an investment in superior standards of design, manufacture and support.

The LG Mark of Excellence
Customers can rest assure of cutting-edge technology and dependability when they see the LG logo on every cell. The LG logo reflects the high standards that have guided LG for more than 50 years.

Accredited Testing Lab
LG's laboratory has earned the stamp of approval from both TÜV Rheinland and Underwriters Laboratories as an official testing laboratory, another sign of LG's commitment to excellence.

Designed for Durability
LG solar modules are designed with slim and durable glass to be light in weight while also being able to withstand heavy loads up to 5400 Pa.

Long-lasting Linear Limited Warranty
LG always stands by its products with sterling warranty policies. The Mono X™ includes a power output warranty of 80.25% for up to 25 years.

Positive Power Tolerance
LG provides rigorous quality testing to solar modules to assure customers of the stated power outputs of all modules, with a positive nominal tolerance starting at 0%.

Commitment to a Clean Environment
The Mono X™ module is the first in the world authorized to display the Carbonfree Certified® Label. To be certified, the Mono X™ passed a rigorous Life Cycle Assessment from raw materials to end of use.

http://www.wholesalesolar.com/
### Mechanical Properties

- **Cells**: 6 x 10
- **Cell vendor**: LG
- **Cell type**: Monocrystalline
- **Cell dimensions**: 156 x 156 mm² / 6 x 6 in²
- **# of busbar**: 3
- **Dimensions (L x W x H)**: 1632 x 986 x 42 mm / 26.5 x 38.82 x 1.65 in
- **Maximum load (Pa)**: 5400 (113 psf)
- **Weight**: 18.4 kg / 41.89 lb
- **Connector type**: MC4 connector IP67
- **Junction box**: IP 65 with 3 bypass diodes
- **Length of cables**: 2 x 1000 mm / 2 x 39.37 in

### Certifications and Warranty

- **Certifications**: IEC 61215, IEC 61730-1/-2, IEC 62716/Draft C, IEC 61701, UL 1703, ISO 9001
- **Product limited warranty**: 10 years
- **Output limited warranty**: Linear warranty*

### Temperature Coefficients

- **NOCT**: 46.0 ± 2 °C
- **Pmpp**: -0.420 %/K
- **Voc**: -0.306 %/K
- **Isc**: 0.042 %/K

### Electrical Properties (STC*)

- **Maximum power at STC (Pmax)**: 255
- **MPP voltage (Vmp)**: 30.0
- **MPP current (Imp)**: 8.50
- **Open circuit voltage (Voc)**: 37.2
- **Short circuit current (Isc)**: 8.85
- **Module efficiency (%)**: 15.8
- **Operating temperature (°C)**: -40 ~ 90
- **Maximum system voltage (V)**: 1000
- **Maximum series fuse rating (A)**: 15
- **Power tolerance (%)**: 0 ~ +3

* Power at 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*)

- **Maximum power (W)**: 1870.3
- **Maximum power voltage (V)**: 27.26
- **Maximum power current (A)**: 6.86
- **Open circuit voltage (Voc)**: 34.46
- **Short circuit current (Isc)**: 714
- **Efficiency reduction (from 1000 W/m² to 200 W/m²)**: < 4.5 %

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

### Characteristic Curves

- **Current (A)**: 1000 W, 800 W, 600 W, 400 W, 200 W
- **Voltage (V)**: Voc, Isc, Pmax

### Dimensions (mm/in)

- **Long side frame**: 24.7 / 0.97 in
- **Short side frame**: 24.7 / 0.97 in

- **Distance between mounting holes**: 251 / 9.88 in
- **Distance between grounding holes**: 152 / 5.98 in
- **Distance between mounting holes (Detail Z)**: 1430 / 56.30 in
- **Distance between grounding holes (Detail Z)**: 101 / 3.97 in
- **Size of short side**: 251 / 9.88 in
- **Size of long side**: 1430 / 56.30 in
- **Mounting holes (8ea)**
- **Drain holes (4ea)**
- **Grounding holes (4ea)**

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

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