

LONGi Solar LR4-60HPH 360



Brand: Longi Solar

Product Code: LR4-60HPH 360

Availability: In Stock

Weight: 37.04lb

Dimensions: 69.09in x 40.87in x 1.38in

Price: \$900.00

Ex Tax: \$900.00

Short Description

In-depth review of the LONGi Solar 360W solar panel covering efficiency, warranty details, pricing and value analysis. Read before installing these panels.

Description

Longi Solar 360w Mono Solar Panel - LR4-60HPH-360M LONGi, 360w Mono PERC w 120 Half-cut Cells (60 cell equivalent), Black frame, white backsheet and MC4 connectors w/ 1200mm cable, LR4-60HPH-360M Less components and lower cost. Excellent performance under the IEC and UL Standard for 1500V system voltage brings lower system side cost.



LONGi Solar LR4-60HPH 360

- **Power Rating:** 360W
 - Cell Type Monocrystalline
 - Panel Dimensions 1776.0 mm L, 1052.0 mm W, 35.0 mm D

Solar Panel Aesthetics Black Cell, White Frame, White Backsheet
Snow Load 5400 Pa, Wind Load 2400 Pa

- **Linear Warranty Term:** 25 years
- **Product Warranty Term:** 12 years
- **Made in Vietnam and Malaysia.**
- **Approximate cost per watt \$2.98**

Solar Panel Performance

Rated Power 360W

Efficiency 19.3%

LONGi's LR4-60HI313 345~365M solar modules efficiency ratings range between 18.5% and 19.5% putting them on the higher end of average solar panel efficiency. The Hi-MO 4 series has proprietary Smart Soldering Technology with improved 9-wire bus bar for enhanced electron flow.

Power Tolerance 0/+5W

Power tolerance refers to the amount of electricity it will produce either above or below its rated power capacity at Standard Test Conditions (STC). The smaller the power tolerance deviation or range, the more accurate the rated power capacity is.

LONGi Hi-MO 4 solar modules have a power tolerance of $-0/+5\text{W}$. This means LONGi Solar panels will, at the very minimum, be operating at their rated capacity, However, these panels have exceeded, by as much as 5 watts above its rated capacity.

For example, a LONGi Solar panel rated at 360 W will be able to operate anywhere from 360 W to 365 W (or 5 watts higher than 360) under STC.

Temperature Coefficient P_{Max}: -0.37

Solar panels perform best at 77°F (25°C). Here in Texas, obviously, we see temperatures that far exceed 77°F for long portions of the year. A solar panel's temperature coefficient is a measurement indicating how well a specific model of solar panel will perform outside of ideal operating conditions. Knowing a panel's temperature coefficient and the temperature of the panel allow you to predict your panel's performance during the dog days of summer.

Temperature coefficients are calculated in Celsius. With each degree above 25° C /77° F, a given solar panel's electric output will be diminished by its temperature coefficient.

Using the above methodology, the LONGi LR4-60HPH 360 panel has a temperature coefficient of $-0.37\%/^{\circ}\text{C}$. Hence, when this panel's temperature increases by one degree, from 25°C to 26°C (77° F to 79° F), expect a 0.37% reduction in potential electric output.

When it's July in Texas and temperatures have climbed to 95° F/35° C, expect electric output to decrease by 3.7%. When the hottest hour of the summer drives the mercury into the triple digits, say 113° F/ 45° C, the LONGi LR4-60HPH 360 will decrease approximately 7.2%.

LONGi HiMO-4. All blackLR4-60HPH

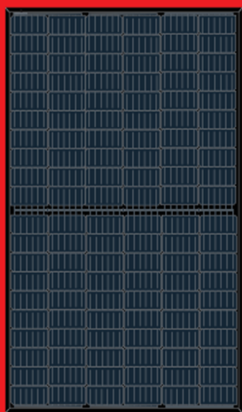
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|-------------------------------|------------------------------------|
| Product Name and Model Number | HiMO LR4-60HPH 360w |
| Manufacturer Name and Rating | LONGI |
| Rated Power Output | 360 watt |
| Efficiency Percentage | 19.3% |
| Power Tolerance | +1.5% |
| Temperature Coefficient | -0.37% |
| Resiliency Specs | Snow load 5400Pa, Wind load 2400Pa |
| Output Warranty Term Length | 25 year, |

| | |
|--|------------------------------------|
| Output Warranty Decline Rate | -0.45% |
| Materials Warranty Term Length | 12 years |
| Cell Color(s) | Black |
| Frame | White Anodized Aluminum Alloy |
| Backsheet Color(s) | White |
| Cell Type (e.g. monocrystalline) | Monocrystalline PERC Gallium doped |
| Panel Dimensions | 1776 X 1052 X 35mm |
| Weight | 44. lbs/ 20.0kg |
| Number of Cells | 72 half cut cells |
| Connector Type | MC4 |
| Manufacturer Location | China, Vietnam, Malaysia |
| Certifications Received (UL, IEC, ISO) | IEC, UL, ISO, |
| Average Cost per Watt | .76 |
| Marketplace Average Pricing | .90 - 1.50 |
| Great/Above Market Price Indicators | excellent value |

Linear Warranty 25 year,

Output Decline

- Year 1 2.0%
- Years 2 to 25 0.55%
- Output at End of Warranty Term 84.8%
- Product Warranty Term 12 years

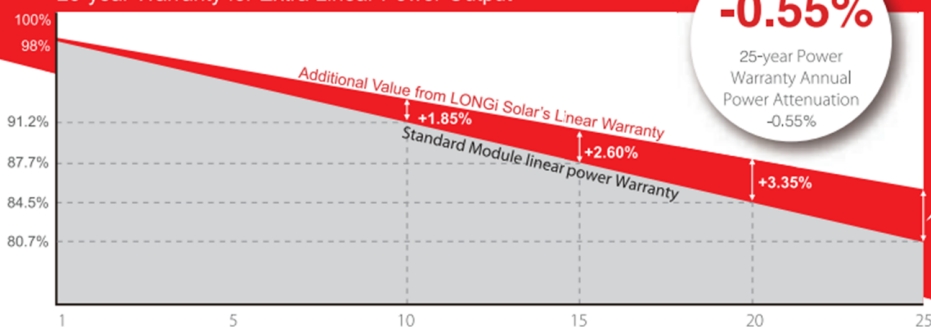


LR4-60HPB 345~365M

Hi-MO 4m
(Black)

**High Efficiency
Low LID Mono PERC with
Half-cut Technology**

10-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC61730, UL1703

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety



* Specifications subject to technical changes and tests. LONGi Solar reserves the right of interpretation.

Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 19.5%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

Reduced resistive loss with lower operating current

Higher energy yield with lower operating temperature

Reduced hot spot risk with optimized electrical design and lower operating current

LONGi

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Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

Warranty Specifications

Warranty Specifications

LONGi mono facial solar panels offers a 25-year linear production warranty. Both mono facial and bifacial panels are covered by a 12-year product warranty that guarantees all solar panels to be defect free, and with normal use and proper installation.

Specification

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|---------------------------|--|
| Solar Panel Configuration | |
| Cell Type | Monocrystalline |
| Panel Aesthetics | Black Cell, White Frame, White Backsheet |
| Panel Dimensions | 69.09 x 40.87 x 1.38 inches |
| Power Rating | 360W |
| Snow load | 5400 Pa |
| Wind Load | 2400 Pa |
| Solar Panel Warranty | |
| Linear Production | 25 Years |
| Warranty Term | |
| Product Warranty Term | 12 Years |
| PV Product Performance | |
| Efficiency | 19.3% |
| Power Tolerance | 0/+5W |
| Temperature Coefficient | PMax: -0.37 |
| Others | |
| Average Cost / Watt | \$3.10 |
| Where it's Made | Made in Vietnam, Malaysia |