





Founded in 2000, **LONGi** is committed to being the world's leading solar technology company, focusing on customer-driven value creation for full scenario energy transformation.

Under the mission of "To make the best solar energy to build a green world" with a brand positioning of "The most trusted, reliable solar company that blazes the trail for green technology". **LONGi** is developing solutions for large-scale power plants, for different industries and households with its innovation-focused developemnt.

LONGi is recognized as the world leading solar technology company with the highest market value.

Hi-MO 5_m

New Choice for Rooftop Solar System

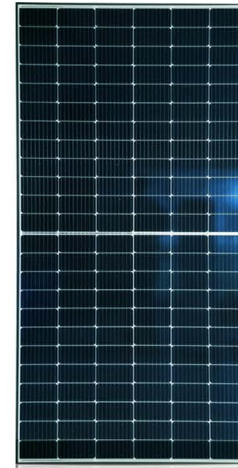
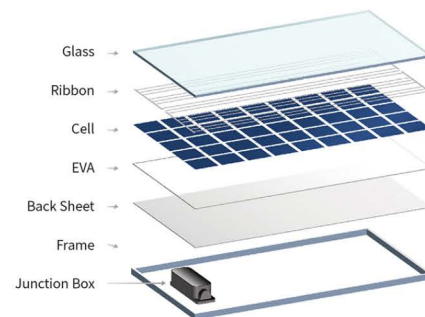
- M10 gallium-doped technology
- Excellent energy generation under low light
- Compatible with most standard mounting systems

Hi-MO 6

Excellent Outdoor Power Generation Performance

- High-Efficiency cells
- Market Leading Reliability
- Prime Efficiency
- Aesthetic Appearance

Longi Standardized BOM



APPLICATIONS



Residential



C&I



Ultra-Large Power Plant



LONGi

CORE ADVANTAGES

With diversified product types and professional design teams, LONGi custom residential solutions match the perfect module for any rooftop, ensuring the operation efficiency of customer projects.



Excellent Product Performance

LONGi modules offer some of the highest power ratings, energy yields, and proven reliability in the industry.



Balance of Systems and Roof Design Integration

Our products can be integrated with a variety of mounting and racking systems, inverters and roof types.



Professional Technical Service

Our professional technical design and service team offers 24/7, round-the-clock after-sales response.

CORE VALUES

With industry-leading product quality, experienced technical team and standardized design systems, LONGi residential solutions provide beautiful environmentally-friendly rooftop solar systems that greatly reduce customer energy bills.

LONGi

Hi-MO 6 Explorer

Hi-MO 6 Scientist

Hi-MO 6 Guardian

Hi-MO 6 Artist

HI MO 6 Product Family: A New Year Evolution



Product Management Certification

ISO 9001 | ISO 45001 | ISO 14000 | IEC 62941



Supplier Material
Examine



Manufacturing
Process Control



Product Reliability
Monitoring

EXPLORER

Classic, but with revolutionary changes. Unique high-efficiency HPBC cell structure sets new standard for PV technology.

High-efficiency Cells | Aesthetic Appearance | Outstanding Performance | Market-leading Reliability



SCIENTIST

Being better is our standard. Propelling the clean energy transformation into the Terawatt Era with ultra-high performance.

Prime Efficiency | Market-leading Reliability | Upgraded Service | Extended Warranty



GUARDIAN

Being better is our standard. Propelling the clean energy transformation into the Terawatt Era with ultra-high performance.

Prime Efficiency | Market-leading Reliability | Upgraded Service | Extended Warrant





Hi-MO 6 Explorer

Classic, but with Revolutionary Changes

Unique high-efficiency HPBC cell structure sets
new standard for PV technology



- High-efficiency Cells
- Aesthetic Appearance
- Outstanding Performance
- Market-leading Reliability

Style: Obsidian Black (Black Backsheet), Stars (White Backsheet) | Model: 54c, 60c, 66c, 72c

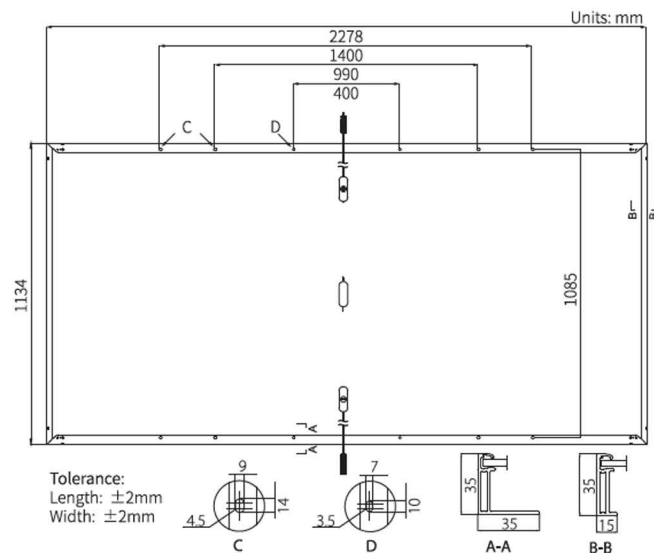
LONGi

Hi-MO 6

Explorer

LR5-72HTH 570M

- Suitable for distributed projects
- Excellent outdoor power generation performance
- High module quality ensure long-term reliability



22.3%
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

<1.5%
FIRST YEAR
POWER DEGRADATION

0.40%
YEAR 2-25
POWER DEGRADATION

LR5-72HTH-570M	(STC Test)	(NOCT Test)
Maximum power (Pmax/W)	570	426
Open-circuit voltage (Voc/V)	51.91	48.74
Short circuit current (Isc/A)	14.07	11.36
Voltage at Maximum Power (Vmp/V)	43.76	39.93
Current at Maximum Power (Imp/A)	13.03	10.67







Hi-MO 6 Guardian

Empowering an Intelligent Future

Equipped optimizer delivers smarter life

 +  Intelligent Optimizer

 Intelligent Monitoring  Rapid Shutdown

 Real-time Optimization  Increased Capability

The LONGi logo is displayed in white text on a red rectangular background in the top left corner.

Hi-MO 6 Scientist

Being Better is Our Standard

Propelling the clean energy transformation into the Terawatt Era
with ultra-high performance



-  Prime Efficiency
-  Market-leading Reliability
-  Upgraded Service
-  Extended Warranty

Style: Obsidian Black (Black Backsheet), Stars (White Backsheet) | Model: 54c, 60c, 66c, 72c



Hi-MO 6 Artist

Technology and Art in Unison

Powering a colorful life with artistic innovation

 +  Stunning Appearance

 Lighting up the Architectural Inspiration

 Connecting Life and Technology

Various colors are available.



Beige



Grey



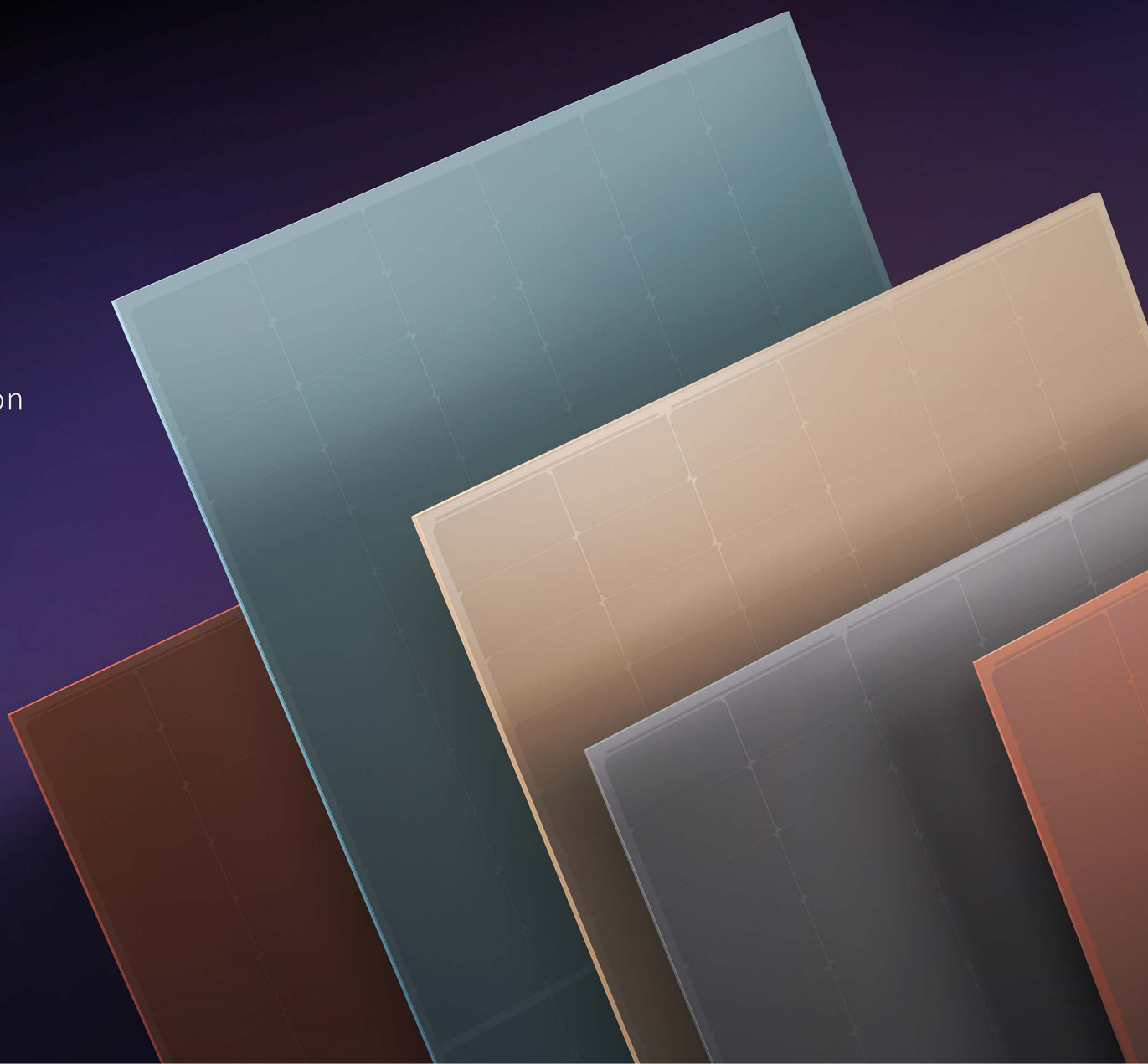
Brown



Cyan Blue




Clay Red



Hi-MO

LR5-72HPH

555M

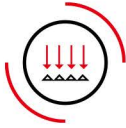
A red square logo with the white text "5m" inside.

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- Technical drawing of a rectangular frame assembly. The main view shows a rectangle with overall dimensions 1134 (width) and 1085 (height). The top edge features a series of horizontal segments with dimensions 2278, 1400, 990, and 400. Section lines C-C and D-D are indicated. Two cross-sections are shown: C-C (bottom left) and D-D (bottom center). Both cross-sections show a circular profile with a central hole. Cross-section C-C has dimensions 9 (outer diameter), 4.5 (inner diameter), and 14 (height). Cross-section D-D has dimensions 7 (outer diameter), 3.5 (inner diameter), and 10 (height). Two additional cross-sections, A-A (bottom right) and B-B (bottom right), show L-shaped profiles with dimensions 35 (width) and 15 (height). A tolerance specification is provided: Tolerance: Length: $\pm 2\text{mm}$, Width: $\pm 2\text{mm}$. The text "Units: mm" is located in the top right corner.

HALF-CELL

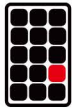
Lower operating temperature

LR5-72HBD-555M	(STC Test)	(NOCT Test)
Maximum power (Pmax/W)	555	414.8
Open-circuit voltage (Voc/V)	49.95	46.97
Short circuit current (Isc/A)	14.05	11.34
Peak power voltage (Vmp/V)	42.10	39.28
Peak power current (Imp/A)	13.19	10.56



Smart Soldering

Uniform smart soldering increases the power and efficiency of the module, and improves the power load capacity.



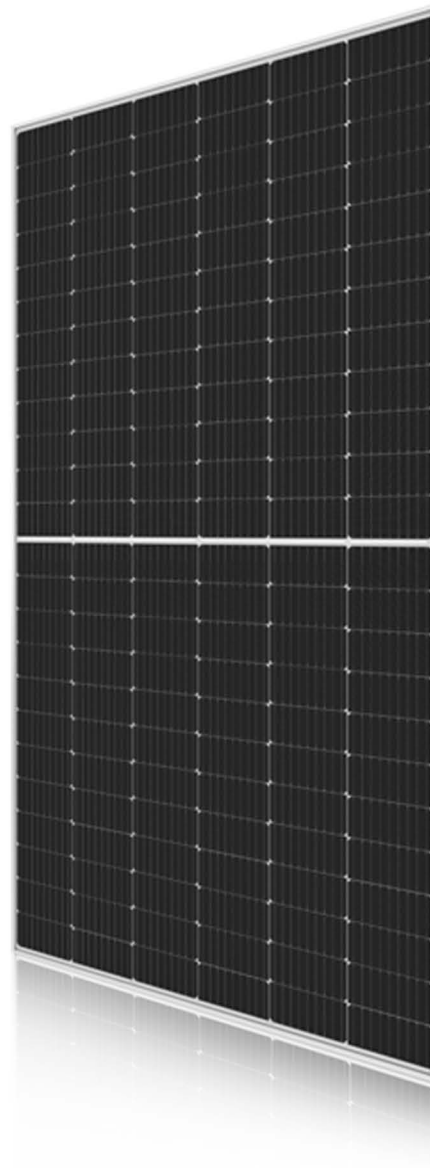
Optimized Module Size

Large-format modules with M10 wafer size use dual-glass and frame packaging to ensure module strength.



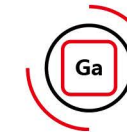
Smart Module Packaging and Logistics

Smart module packaging solutions are used to achieve high reliability, low-cost transportation and logistics.



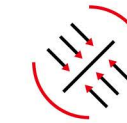
Optimized Electrical Parameters

The working current is about 13A, which is perfectly adapted to mainstream string inverters.



Gallium-doped Technology

Gallium-doped technology overcomes LID degradation and guarantees the long-term power generation of the module.



Bifacial Energy Yield

Additional power generation from the backside of bifacial modules increases the overall energy yield, which has been verified by customers and third-party testing organizations.

Product Quality and Performance Guarantee

Design ◀

Established models of optics, electricity, mechanics and heat combines theories with experimental results and historical experience. Comprehensive analysis of product value based on application scenarios.

Material ◀

- Specific tests based on material properties
 - Suppliers with high financial health
 - Thresher reliability test

Plan ◀

- Product and material standard
- Ensure the continuity of production and the versatility of material

Quality Management

ISO 9001 /EC TS 6294
MES System
ERP System

► Reliability Tests

- Advanced lab recognized by the third party
- Passed the internal thresher reliability test
- Excellent performance in the test of third party organizations

► Manufacturing

- Highly automated production lines
- Quality assurance (Manufacturing bases, headquarters, marketing)

► Outdoor Power Generation

- The power generation performance and reliability are verified by theory and demonstration
- Joint demonstration with authoritative third party institutions and customers

Professional Reliability Assessment Methods

Based on the research results of well-known research agencies standards and third-party institutions in the industry, LONGi has established a variety of differentiated reliability testing methods to evaluate product and material reliability more quickly and effectively.

- Highly Accelerated Thermal Cycling (HATC)
- DH+ UV Aging
- Cell Metal Corrosion Test



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