

LONGI

Hi-MO 6

—
Illuminating Possibilities



LONGI
www.longi.com



2022.10

Solar for solar, solar for all.

About LONGi

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 of 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 development. Eventually, we will also supply "Green Power + Green Hydrogen" solutions for global zero-carbon development.

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



2000
Foundation



50000+
Global Employees



30+
Global Network



30
Manufacturing Bases

2021 Operating Revenue

\$12.694 billion

2021 Net Profit

\$1.425 billion

2021 R&D Investment

\$689.1 million

The World Leading Supplier of Solar PV Solutions Industry-leading Capacity and Shipment



The Rank of LONGi Module Shipment from 2017 to 2021

	2017	2018	2019	2020	2021
1	A	A	A	LONGi 🏆	LONGi 🏆
2	B	C	C	A	B
3	C	E	B	C	C
4	D	B	LONGi 🏆	B	A
5	E	LONGi 🏆	D	D	D
6	F	D	E	E	E
7	LONGi 🏆	G	G	G	G
8	G	F	H	J	K
9	H	H	J	K	H
10	I	J/I	I	H	J

70.01GW

Wafer Shipment (2021)

105GW

Wafer Capacity (2021)

*LONGi took the industry lead in standardizing wafer size and achieving **100%** diamond wire cutting of mono silicon wafer.

38.52GW

Module Shipment (2021)

60GW

Module Capacity (2021)

*In 2021, the company's global sales performance, market share and brand influence ranked it 1st in the world, with its total shipment volume of domestic and exported modules exceeding 2nd place by more than **10GW**.

100GW+

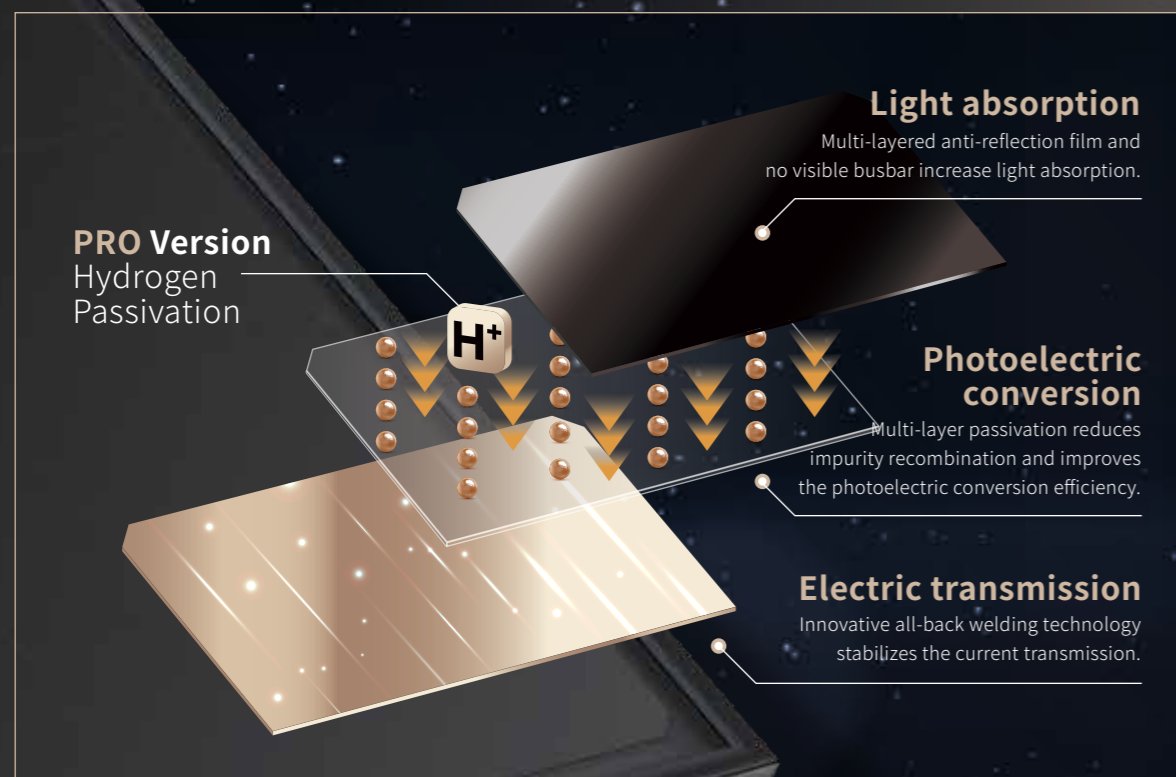
LONGi Global Cumulative Module Shipment

A New Evolution

Hi-MO 6

LONGi new generation HPBC cell technology opens a new chapter in the mass production of high-efficiency cells and continues to lead the reform of the industry.

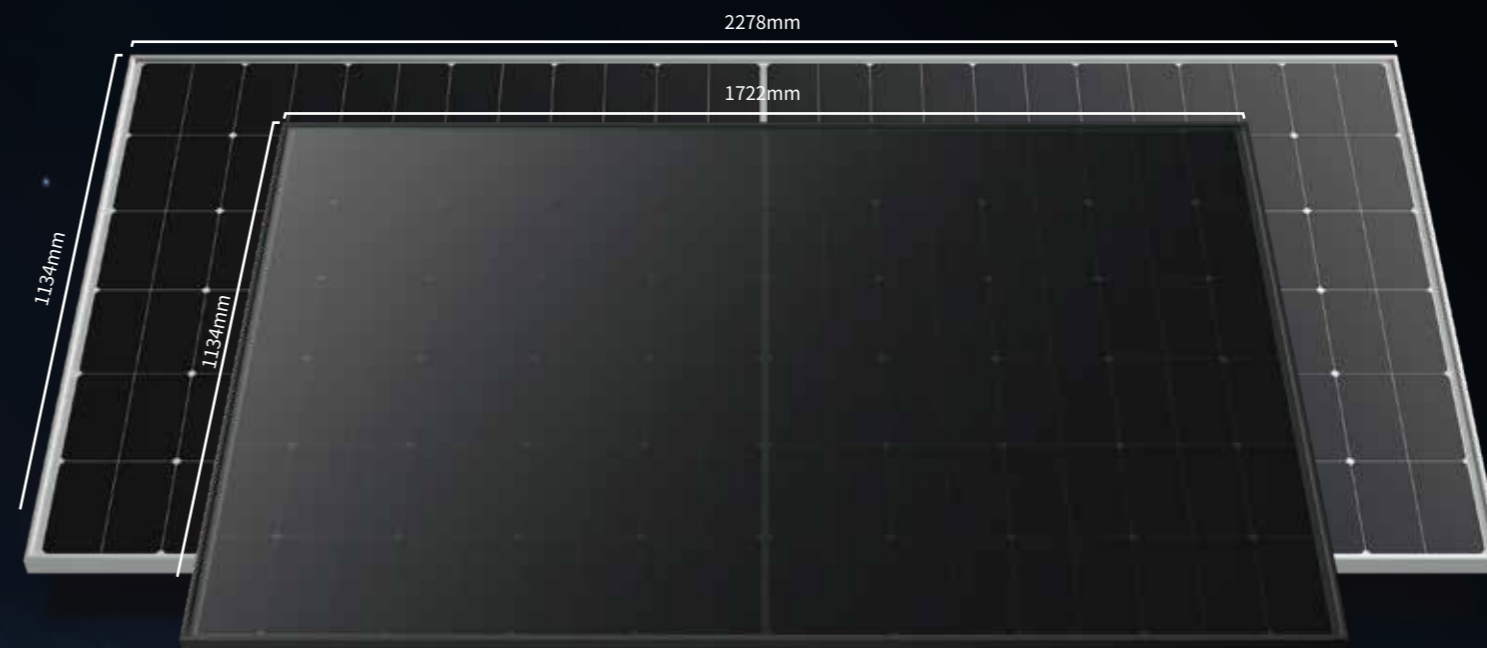
The efficiency of LONGi HPBC cells exceeds **25.0%**
The efficiency of the PRO version HPBC cells exceeds **25.3%**



Hi-MO 6 Product Family

Four series of Hi-MO 6 can meet diverse customer needs to deliver a brand-new renewable energy experience.

-  Aesthetic
-  Efficient
-  Reliable
-  Intelligent







Hi-MO 6 Explorer | Hi-MO 6 Scientist | Hi-MO 6 Guardian | Hi-MO 6 Artist



Hi-MO 6 Explorer

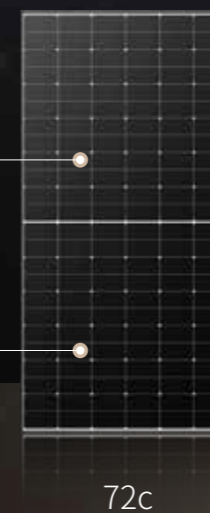
Classic, but with Revolutionary Changes

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

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

575_W
Module Output up to

22.3%
Max. Module Efficiency



72c

54c

430_W
Module Output up to

22.0%
Max. Module Efficiency



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

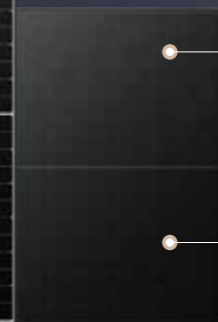
590_W
Module Output up to

22.8%
Max. Module Efficiency



445_W
Module Output up to

22.8%
Max. Module Efficiency







Hi-MO 6 Guardian  +  Intelligent Optimizer


Empowering an Intelligent Future

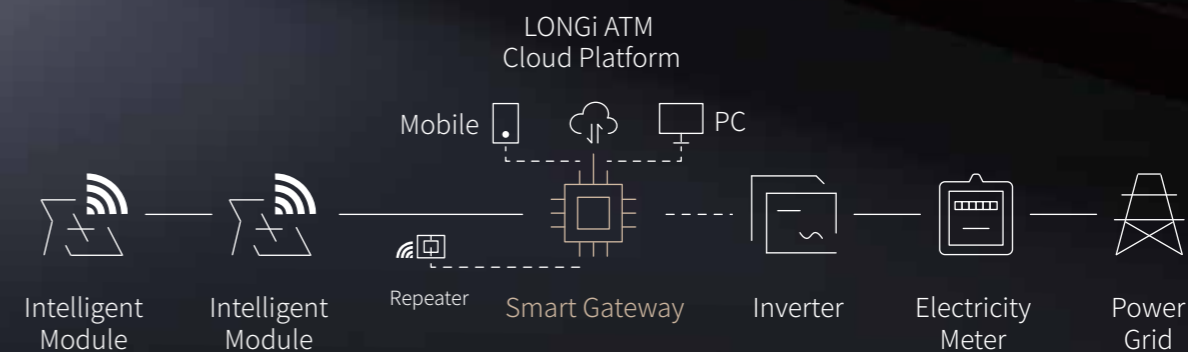
Equipped optimizer delivers smarter life

 Intelligent Monitoring

 Rapid Shutdown

 Real-time Optimization

 Increased Capability



- 24-hour real-time power station monitoring with the intelligent analysis algorithm
- Rapid shutdown for an emergency to ensure personal and property safety
- Independent control of each module and real-time optimization to increase the power generation by 5%-30%
- Regardless of orientation, higher versatility for all strings and flexible design to increase capacity

Hi-MO 6




Hi-MO 6 Artist  +  Stunning Appearance






Technology and Art in Unison

Powering a colorful life with artistic innovation

 Lighting up the Architectural Inspiration

 Connecting Life and Technology

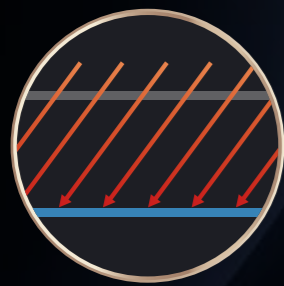
Various colors are available

-  Beige
-  Grey
-  Brown
-  Cyan Blue
-  Clay Red

Comprehensive Upgrade Better Power Generation Performance

Bringing the module efficiency and the installation capacity to a new level

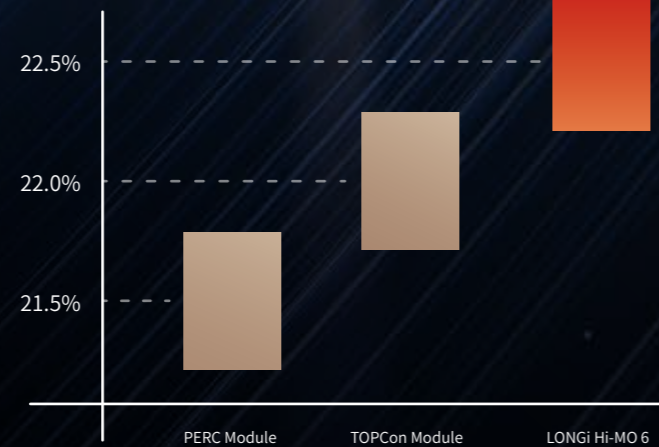
Multi-angle incidence
Unshielded absorption



Front Glass Cell

No busbar shielding on the front improves light absorption by about **2.27%**

Module efficiency

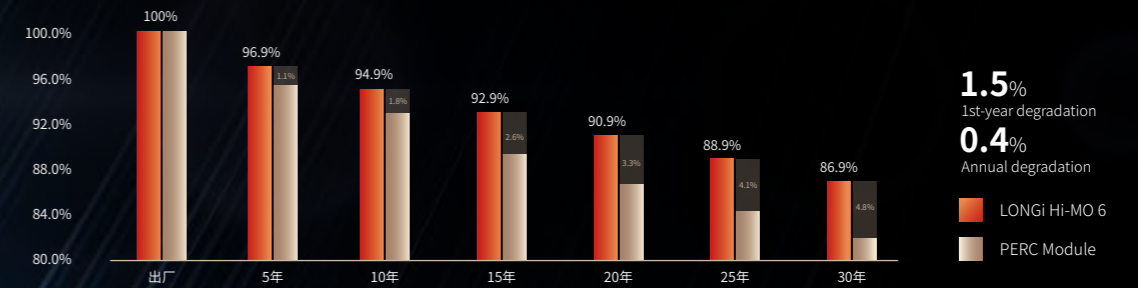


Significant improvement of module efficiency compared to PERC and TOPCon technology

Lower degradation & Extended warranty

Power output/%

Hi-MO 6 Linear Performance



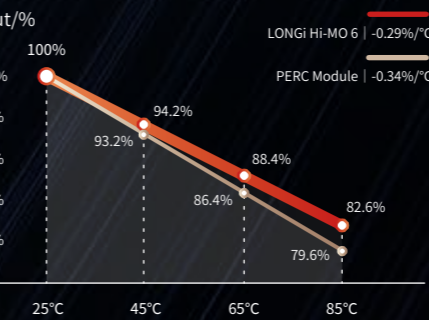
1.5%
1st-year degradation
0.4%
Annual degradation

LONGi Hi-MO 6
PERC Module

Lower power degradation ensures long-term stable power generation

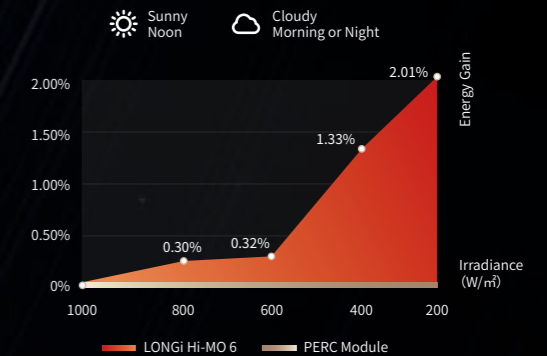
High-temperature resilience to ensure stable power generation

Power output/%



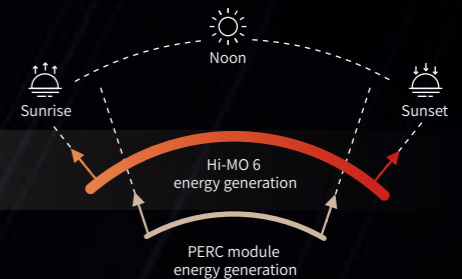
Better performance under high-temperature conditions with an improved power temperature coefficient of **-0.29%/°C**

Better low irradiation performance

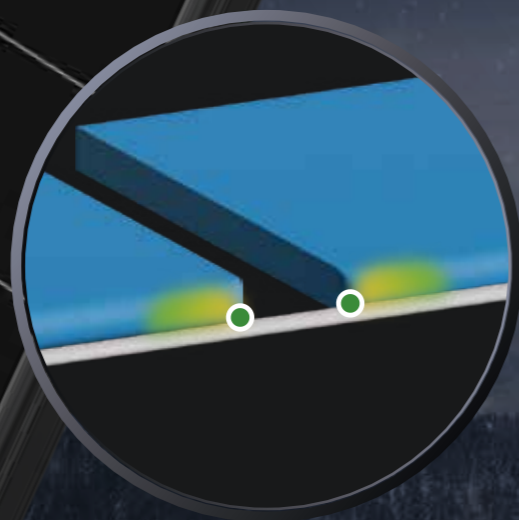


HPBC capabilities to produce energy under low irradiation are up to **2.01%**

Longer power generation time



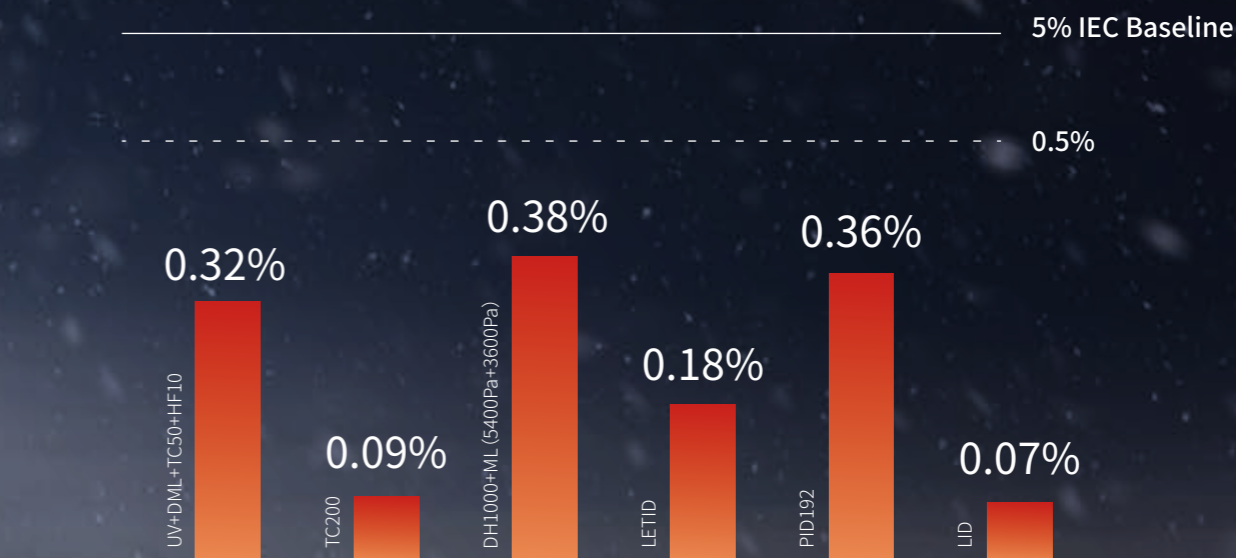
Stability, Safety, and Reliability High Quality Assurance



26MPa
Cell edge stress

Back contact welding structure reduces the risk of cell cracking.

Under strict test conditions LONGi Hi-MO 6 module has been evaluated to meet higher standards than IEC



Maintain excellent performance under diverse scenarios and extreme weather



Hail Test

Reliability test under Hail condition, enlarge the hailstone to 25mm, 35mm and 45mm, with a speed of 84-134km/h.



Thermal Cycling Test

200 cycle of test under -40°C to 85°C temperature condition.



Salt Mist Corrosion Test

Simulation of Coastal environment, test for 1000 hours in 5% salt water under 35°C.



Dynamic Mechanical Load Test

Simulation of extremely windy conditions, 1000 cycles of test with ±1000Pa maximum stress.

Smart & Comprehensive Quality Control System

covering the entire process of material examine, manufacturing process control, product reliability monitoring and information management platform

Product Management Certification

ISO 9001 | ISO 45001 | ISO 14000 | IEC 62941



Supplier Material Examine



Manufacturing Process Control



Product Reliability Monitoring

Authoritative Certification

Reliable module manufacturer certified by global authoritative laboratories

The Renewable Energy Test Center (RETC)



2019-2022 'High Achiever' awarded for four consecutive years, achieving Top performance in all 10 tests (2022)

PV Evolution Labs (PVEL)



2017-2022 'Top Performer' awarded for six consecutive years, achieving Top performance in all 6 tests (2022)

The Future of LONGi Sustainable Development Roadmap

With "Solar for Solar", LONGi officially joined Global Initiatives **RE100**, **EV100**, **EP100**, and will keep building towards achieving 100% in clean energy consumption. LONGi always had sustainable management as a core criteria for business decision-making, including continuous investments in innovation and research, advocating an open corporate culture and promoting scientific institutional research. At the same time, LONGi has been leading continuous changes in electric power and energy, promoting the sustainable development of the planet and mankind.

It is LONGi's vision and roadmap that Earth will be completely green and self-sustainable in the first half of this century.

RE100 EV100 EP100

Using clean energy in manufacturing



Solar becomes the main electricity source for electric vehicles



Solar + desalinated seawater irrigates the deserts, creating oasis

Solar + hydrogen energy, applied to the ocean and air transportation and reducing smelting



2020

2025

2030

2035

2040

2045

2050



Solar + pumped-hydro energy storage, starts using solar in manufacturing



Renewable energy accelerates the replacement of fossil energy



100% renewable energy. Earth enters a carbon-negative mode