

LONGi and New Products

09.2025



Content

- **Company Introduction**
- **Leading Technology**
- **Hi-MO X10 + EcoLife**
- **Product Roadmap**

Company Introduction



Mr. Jiang Longji
The former President of Lanzhou University

The company name LONGi comes from first name of Mr. Jiang

With a clear focus on technological innovation, reliability and sustainability, LONGi is driving forward the production of green electricity and green hydrogen.



2024 Mono-crystalline Wafer Shipment
(top 1 for 10 consecutive years)

108.46GW



2024 Mono-crystalline Module Shipment
(top player for many years in a roll)

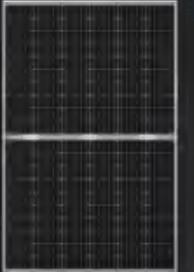
82.32GW

NOTE: The current exchange rate conversion method is not unified, this chart is based on the exchange rate at the end of the reporting period.

2000

LONGi Silicon

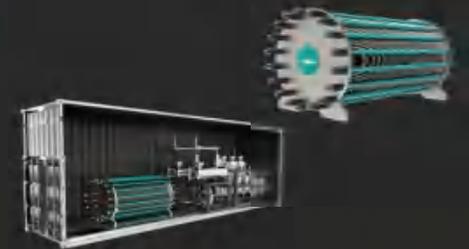
Distributed Photovoltaic Solutions



Ground-mounted Photovoltaic Solutions

2014

LONGi Solar



2021

LONGi Hydrogen

Leading PV Brand Recognized by the World

2023 Forbes Global 2000 Companies

No. 530

- Forbes

2022 Forbes China Most Innovative Company List

TOP 50

- Forbes

Global Top 500 New Energy Enterprises for 2023

No. 7

- China Energy News, China Institute of Energy Economics Research

2024 China's Top 500 Enterprises

No. 178

- Fortune



2024 Fortune China First Tech Company list

TOP 50

- Fortune



With a brand value of RMB 72.264 billion in 2024, ranking **No. 1** in the PV industry of China.

- Chinese brand value evaluation information for 2024



Awarded as the new winner of 2022-2023 China Best Managed Companies

- Deloitte China

Ranking 10th among China's Top 500 New Economy for 2022

- China Enterprise Evaluation Association

Ranking 15th among the Hurun China 500 Most Valuable Private Companies 2022

- Hurun Research Institute

Ranking 4th among the Hurun China Top 100 Energy Private Companies 2023

- Hurun Research Institute

Ranking 66th among China's Top 500 Private Enterprises for 2023

- All-China Federation of Industry and Commerce

Ranking 39th among China's Top 500 Energy Enterprises (Groups) for 2023

- China Institute of Energy Economics

Ranking 199 in China's Top 500 Enterprises for 2024

- China Enterprise Confederation, China Enterprise Directors Association

Ranking 95 among China's Top 500 Manufacturing Enterprises for 2024

- China Enterprise Confederation, China Enterprise Directors Association



Sound Management, Healthy Finances

Adhering to the principles of steady operation and sustainable development, LONGi has maintained a relatively low asset-liability ratio over the years. It has also demonstrated excellence in asset returns, profitability and financing capabilities, earning unanimous recognition from authoritative industry institutions.



Tier 1 PV Module Manufacturers

In the Bloomberg New Energy Finance (BNEF) standard PV module manufacturers listing, LONGi ranked in the first tier and is the absolute leader in the industry.



Excellent Altman-Z Scores of Selected Pure-play Manufacturers

In BloombergNEF's Global PV Market Outlook report, LONGi scored excellently in financial health index due to its continuously increasing corporate strength and technological research and development level. LONGi has demonstrated highly effective risk control and long-term sustainable development ability.



100% Bankable PV Module Brand

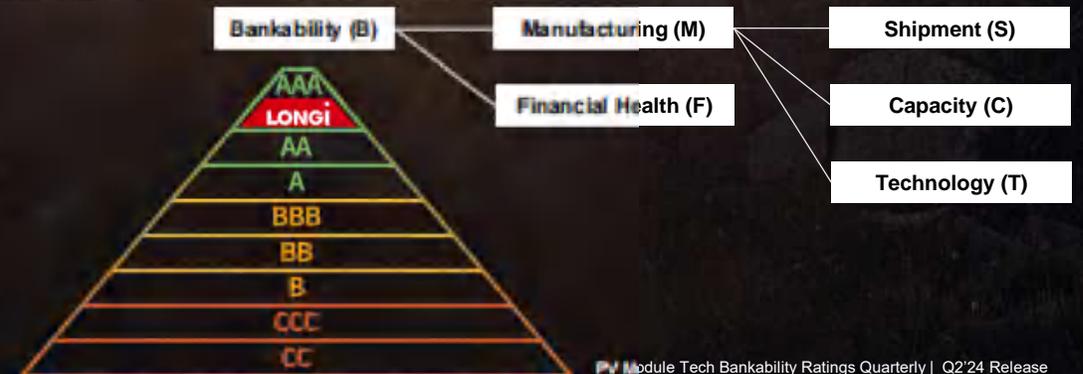
LONGi has been rated '100% bankable' in BNEF's survey of PV Module & Inverter Bankability for 3 years, underlining its capability in assisting project developers to secure access to financing from banks in order to bring a consistent, steady return on investment for global clients.



'AAA' PV Module Tech Bankability Rating

The quarterly report developed by Solar Media's PV Tech analysis team, based on comprehensive evaluation of module manufacturers' financial strength, product technology and production/supply capacity, has identified LONGi as AAA rated manufacturer.

21 Times



PV Module Tech Bankability Ratings Quarterly | Q2'24 Release

Global Coverage: Business Operations Presence

LONGi has set up branches in many countries including the USA, Japan, Germany, India, Australia, the United Arab Emirates and Thailand, etc. with business covering over 150 countries and regions.



Global Coverage – Production Capabilities

LONGi has built multiple production bases in several countries and regions, including China, Vietnam and Malaysia.

21 Global production bases

- Xi'an, **Shaanxi**
- Taizhou and Wuxi, **Jiangsu**
- Quzhou and Jiaxing, **Zhejiang**
- Chuzhou and Wuhu, **Anhui**
- Datong, **Shanxi**
- Yinchuan and Zhongning, **Ningxia**
- Hainan Prefecture, **Qinghai**
- Baoshan, Lijiang, Chuxiong, Tengchong, and Qujing, **Yunnan**
- Ordos, **Inner Mongolia**
- Bắc Giang, **Vietnam**
- Kuching and Selangor, **Malaysia**
- Ohio, **U.S.A**



LONGi's capacity planned in 3 years

Annual capacity of mono-crystalline wafers - **200 GW**
(TaiRay wafer capacity account for 80%+)

Annual capacity of BC cells - **100 GW**

Annual capacity of mono-crystalline modules - **150 GW**

Open Innovation and Collaboration

Heavy Investment in Scientific and Technological R&D

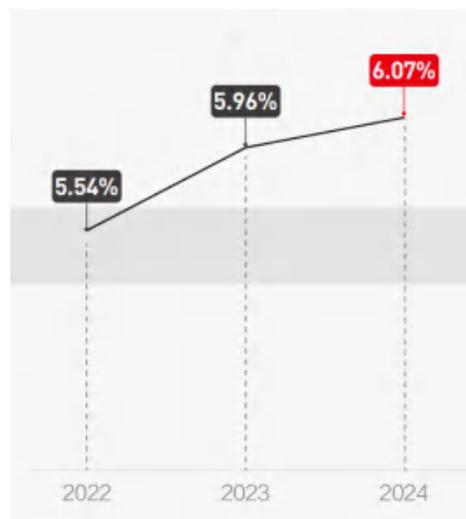
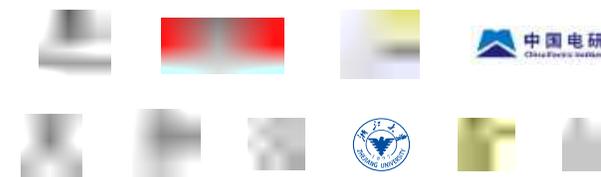
Professional R&D teams **5000+**

1 national-level enterprise technology center

8 provincial-level enterprise technology centers

Strategic cooperation with research institutes such as the University of New South Wales and the National Silicon Materials Laboratory of Zhejiang University

Research Institutes



US\$ 700 Million

R&D investment in 2024

(6.07% of operation revenue)

3,342 Patents

Authorized patents acquired by 2024

(400+ BC Technology)

167 Standards

External technical standards by 2024

(48 in 2024)



LONGi ESG

Sustainability Development

Building a Green Future Together

Sustainability Operation

LONGi proposed **Solar for Solar**, Shapes a "Carbon Negative Planet" for the Future.

We want to create affordable clean energy for the world by having a low-carbon production model "using clean energy to produce clean energy products". This will continue to drive carbon reduction in its operations.

In 2023, we became the first Chinese solar PV company to obtain the Science Based Target Initiative SBTi official verification of our GHG emissions reduction targets

RE100

100 %

Renewable electricity consumption by 2028. 70 % renewable electricity consumption by 2027

EP100

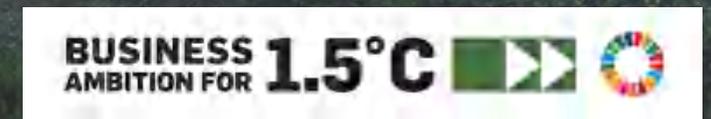
100 %

Operational sites will be installed with Energy Management System by 2025. Power utilization efficiency to be improved by 35 % compared to 2015.

EV100

100 %

Operational sites will be installed with electric vehicle charging facilities by 2030



The Only Lighthouse Factory in PV Industry

World's Most advanced Factory | Highest Level in Manufacturing

12s

Average time for one product offline

43%

Reduced yield loss

20%

Reduced energy consumption per unit



Flexible Automation Production

90%+ automation rate for the whole line



Cell Intelligent Allocation

AI Intelligent Production System Program



Full-process AI Quality Inspection

Industry's first full-process AI quality inspection



Overall Delivery

84% reduction in production delivery period



November 2023
LONGI Jiaxing Factory Awarded Lighthouse Factory Certification



Global 153

World Economic Forum launches, Global selection
Digital Manufacturing Industry 4.0



China 62

World's most advanced factory
Highest level in manufacturing and digitalization

Sustainable Procurement Management System



ISO 20400
certified by



Our Procurement Management System is ISO 20400 certified, demonstrating our unwavering commitment to maintaining the highest standards of environmental responsibility, human rights, labor protection, & fair operating practices across our supply chain procurement management

Integrating Sustainability into our

- Procurement Policy
- Procurement Strategy
- Procurement Process

The only company among top Chinese PV industry players with an EcoVadis Gold Sustainability Rating



Assesses the quality of Sustainability Management System

Based on Sustainability Topics **21**

 Environment
Energy Consumption & GHG emissions

 Labor & Human Rights
Child Labor & Forced Labor

 Ethics
Corruption, Irresponsible Information Management

 Sustainable Procurement
Supplier Environmental & Social Performance



Scored top **5%** of over 150,000 evaluated companies globally

Content

- Company Introduction
- **Leading Technology**
- **Hi-MO X10 (High Performance, Aesthetics ,Reliability and Best Returns)**
- Product Roadmap

Double - Champion LONGi Leading - Cell Efficiency

PERC TOPCon HJT BC Tandem

Cell conversion efficiency is the first principle of PV industry

30.1%

Silicon-perovskite
tandem solar cell (M6)
2024.06

27.81%

Crystalline silicon HJT
back-contact solar cell
2025.03

34.85%

Silicon-perovskite
tandem solar cell
2025.04



Continuous large-scale mass production of high-efficiency cell

🕒 2000-2016

polycrystalline
Cell efficiency: < 20%



BSF

🕒 2016-2021

Monocrystalline replaces polycrystalline
Cell efficiency: 21%-24%



PERC
(Theoretical maximum efficiency 25%)

🕒 2022-Now

New technology revolution
mass production of high efficiency cell
Cell efficiency: 25%-27%



BC

Theoretical maximum efficiency **29.1%**



TOPCon

Theoretical maximum efficiency **28.7%**



HJT

Theoretical maximum efficiency **28.5%**

LONGi World Records on BC

27.1%

TBC Cell World Record (HPBC)

27.81%

HBC Cell World Record (HIBC)

500W

TBC Module World Record
(Hi-MO X10)

510W

HBC Module World Record
(Hi-MO S10)

Best silicon PV tech comes from BC!



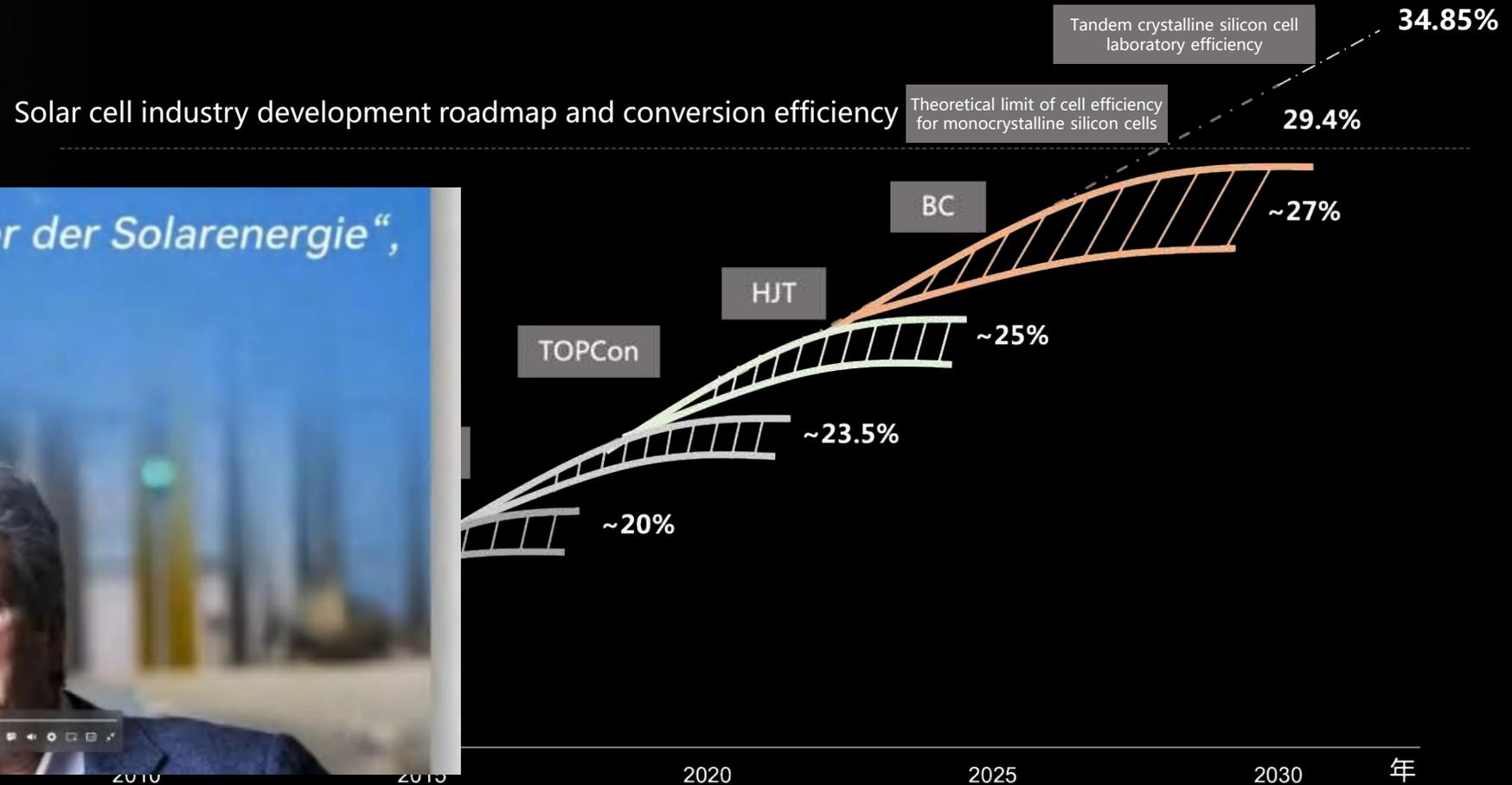
Longi Green Energy sets world record for solar module efficiency at 25.4%

China's Longi Green Energy has set a new world record for crystalline silicon solar module efficiency with its independently developed hybrid passivated back contact (HPBC) 2.0 module, achieving a conversion efficiency of 25.4%, according to a certification report from Germany's Fraunhofer Institute for Solar Energy Systems (Fraunhofer ISE).

OCTOBER 24, 2024 **VINCENT SHAW**

LONGi 's Choice of Cell Technology Route

BC Technology is the ultimate technology route for monocrystalline silicon cells, LONGi firmly believes that BC technology is the long-term 'winner'



LONGi's Weg der BC Technologie

LONGi setzt Maßstäbe bei der Steigerung der Zelleffizienz

R&D Investitionen:

\$ 260 Million+

Mitarbeiter R&D:

1000+

LONGi Patente:

200

2017

Zellkonzept und Design

2019

Prototyp für Massenproduktion

2021

Technischer Durchbruch – Start Produktion

HPBC1.0

2022

Zelleffizienz >25%
Massenproduktion

HPBC2.0 & HIBC

2024 - 2025

Erreichen höchster Effizienz im Labor 27.81%

BC Ära

26.6% & 27.0%

THE WORLD IS BEING ILLUMINATED BY OUR BC PRODUCTS

LONGi is the **first** company that successfully commercialize **BC** PV modules at > 10 GW level

30 GW ≈ 57,692,000 Modules

shipments achieved by end of 2024

Proven record of large volume delivery

Guarantee of future production capacity (New Product)

70 GW+

capacity
by 2025



LONGI

15.48 kW

Total Capacity



Hi-MO X6



Residential Rooftop

Hi-MO X6 Lands at the Lakeside Villa, Perfectly Integrating with Elegant Obsidian Architecture

With the rising energy costs in Europe, PV systems have become the prime choice for residents to tackle high electricity prices. This project utilizes the aesthetically pleasing and efficient Hi-MO X6 Scientific Series modules to meet the entire household's electricity needs. With its exquisitely elegant obsidian style, Hi-MO X6 seamlessly blends with the Nordic architectural design, providing residents with robust and efficient power generation benefits and long-term assurance through its 25-year power and product warranty.



Stockholm, Sweden



LONGi

10.75 kW

Total Capacity



Hi-MO X6 (Ultra Black)

LR5-54HTDB



Residential Rooftop

COD: May 2024

Hi-MO X6 Artist (Ultra Black)'s Nordic Debut: Style and Efficiency Impress Homeowner

LONGi's Hi-MO X6 Artist (Ultra Black) modules are a perfect fusion of PV technology and design aesthetics, perfectly aligning with the expectations of Nordic residents for PVs. In the Nordics, known for their long winters, the modules demonstrate superior low-light performance and high load capacity, offering higher efficiency and reliability to the power station.



Jönköping, Sweden

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

178.64 kW

Total Capacity



Hi-MO X6

LR5-72HTH



C&I Rooftop

COD: May 2024

Hi-MO X6 Helps Guttmann Institute Launch "Solar Medical"

Over 300 LONGi's Hi-MO X6 modules are installed on the roof of the Badalona Hospital, absorbing sunlight and supplying the main garden area of the hospital headquarters at a self-consumption rate of 100%, powering its daily operations. The Hi-MO X6 modules use HPBC battery technology and perform better under low light conditions, maximizing PV power generation. The installation of this PV power station embodies Guttmann Institute's commitment to decarbonization and has started a new "Solar Medical" model.



Badalona, Spain



LONGi

49.30 kW

Total Capacity



Hi-MO X6

LR5-54HTH



C&I Rooftop

COD: Dec 2024

LONGi's Hi-MO X6 Helps AGS Tuhelj Refuel for Its Green Energy Transformation

Due to the special nature of petrol stations, the operators of the AGS Tuhelj station sought a mature and reliable solution for PV power generation. After considering multiple options, they chose LONGi's Hi-MO X6, due to its superior quality, stability, and durability. The power station provides approximately 7.7 MWh of clean electricity per month, Reducing CO₂ emissions by 12.54 tons, helping the petrol station take a big step towards an eco-friendly and low-carbon solution.



Zabok, Croatia

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

399.00 KW

Total Capacity

.....



Hi-MO X6

425M



C&I Rooftop

COD: 2023

Hi-MO X6 Greens the Plastic Processing

With a commitment to assisting the European Union in achieving its 2050 carbon neutrality objectives, Pekaar Plastics has opted to leverage the solar energy through the utilization of LONGi photovoltaic products. The projected electricity generation of 940 modules in total is 10,318MWh over 25 years. Over the project's lifespan, carbon emission reduction can reach 2,757,608 tons.



Goes, Netherlands

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

130 kW

Total Capacity

.....



Hi-MO X6

LR5-66-HTH 530W



C&I Rooftop

COD: March 2024

Investing in Solar Energy for a Sustainable Future

Fresco Verde, a leading fresh vegetable supplier in Nojorid, Romania, has taken a significant step towards sustainability by installing a 130 kW PV system using LONGi X6 66-HTH530W panels. This installation, completed in March, has already produced over 35,000 mW of clean energy, fully covering the factory's consumption. The initiative to adopt solar energy has been strongly supported by family and friends, motivating the company to continue implementing green practices and strategies. The company aims to remain an example of best practice in the agricultural industry, promoting a sustainable future for generations to come.



Nojorid, Romania



999.90 kW

Total Capacity



Hi-MO X6

LR5-72HTH -580M



C&I Rooftop

COD: 14.05.2024

MERCOVASA's Sustainable Transformation with Rooftop Solar

MERCOVASA, a prominent fruit and vegetable wholesale market near Valencia, Spain, has installed a 999.9 kWp rooftop solar system, featuring 1,724 LONGi Hi-MO X6 panels with 22.5% efficiency. The innovative design integrates seamlessly with the market's architecture, covering 65 loading dock canopies while preserving aesthetics and maximizing energy production. This sustainable initiative is projected to generate 1.3 GWh annually, meeting over 36% of MERCOVASA's energy needs, marking a significant step towards environmental responsibility in the wholesale market sector.



Valencia, Spain

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

8.50 MW

Total Capacity



Hi-MO X6 Explorer



C&I Rooftop

COD: 2025

Messe Berlin- the third largest German roof solar system with modules from LONGi

Featuring 20,000 Hi-MO X6 modules covering 50,000 m² used on Berlin's largest exhibition halls "Messe Berlin", it is expected, upon its completion by 2025, to generate 8.5GWh of clean energy per year, which corresponds to the consumption of 3,666 two-person households. This project shall reduce CO₂ emissions by 2,900 tons per year.



Berlin, Germany

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TaiRay Wafer

Higher Resistance Concentration, Higher Module Efficiency



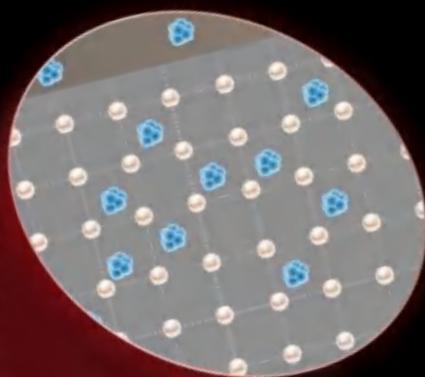
Conventional

TaiRay Wafer

Less Impurity for More Power

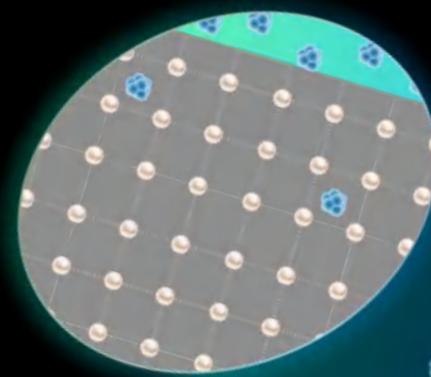
Less Degradation | Better Temperature Coefficient

Conventional



1.5%/0.4%

-0.29%/°C



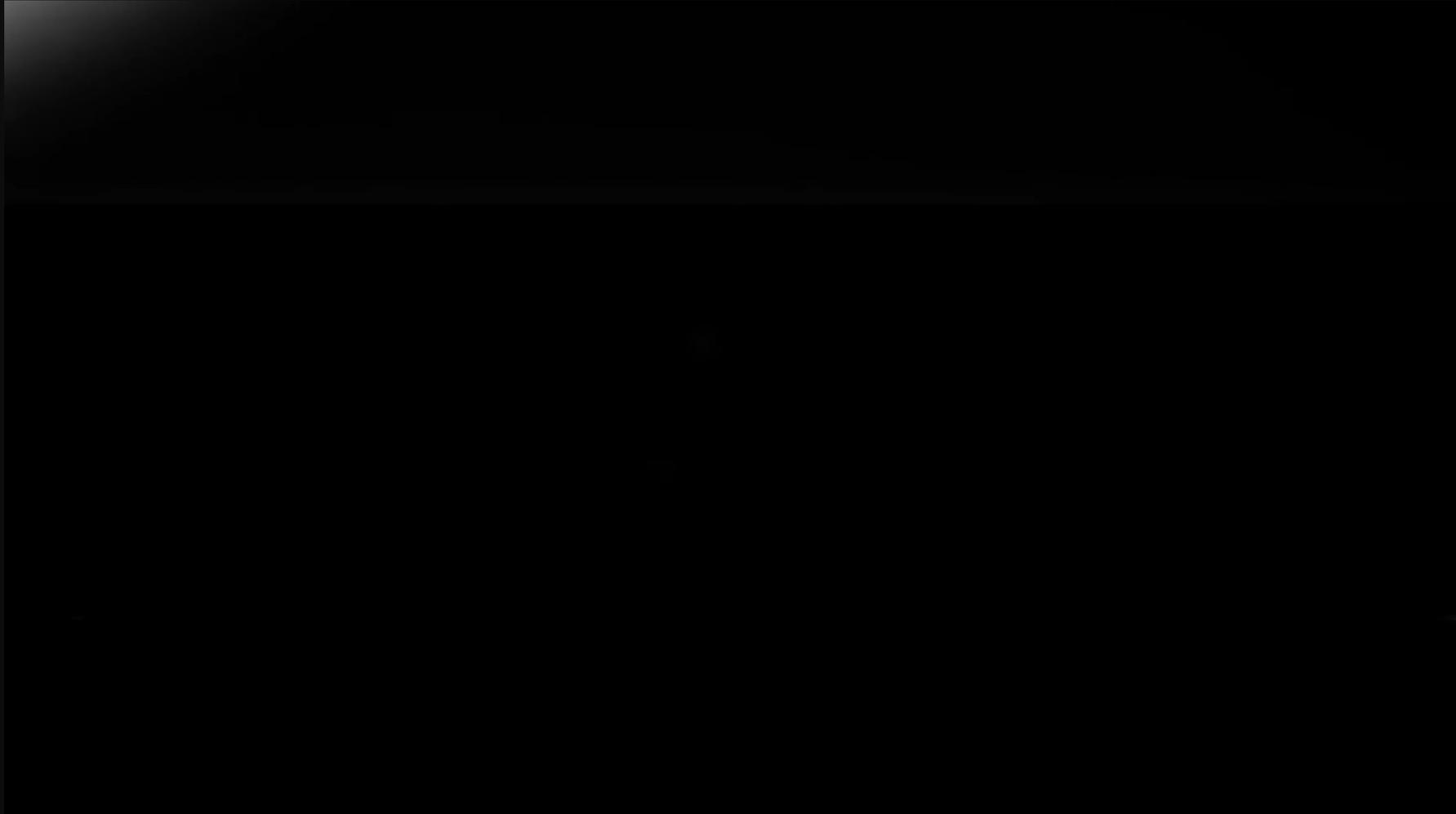
1%/0.35%

-0.26%/°C

TaiRay Wafer

Enhanced Reliability

Stronger on against micro-crack

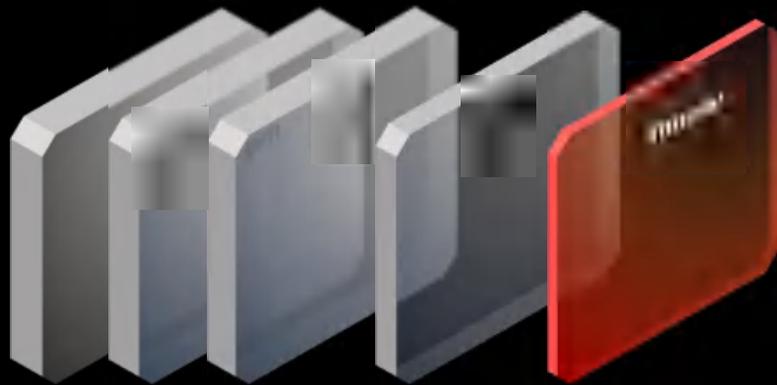


Mechanical Strength +16%

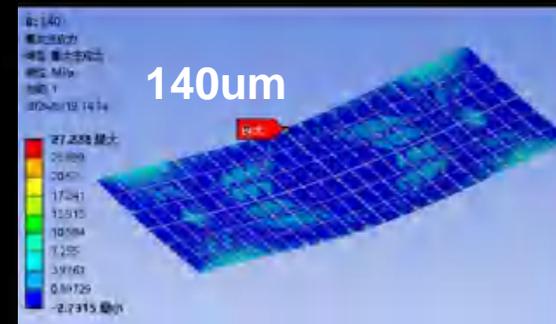
Premium Quality Backed By Thicker Wafer

10 μ m thicker

The thinner the wafer, the higher the risks of reliability

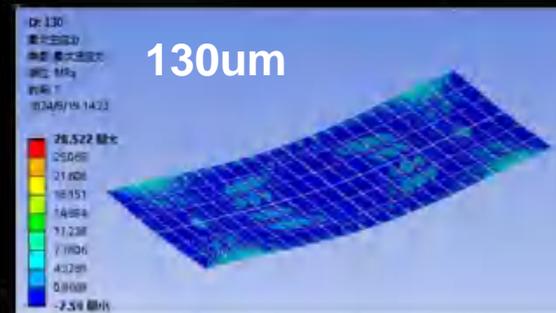


Thicker silicon wafers experience less stress and have higher reliability



Maximum stress

27.2MPa



Maximum stress

28.5MPa

Note - Finite element stress analysis under a load of 2400Pa during module clamping installation

HPBC 2.0 & HIBC Cell

Shading Optimizer Demo

LONGi



Weak Light Demo

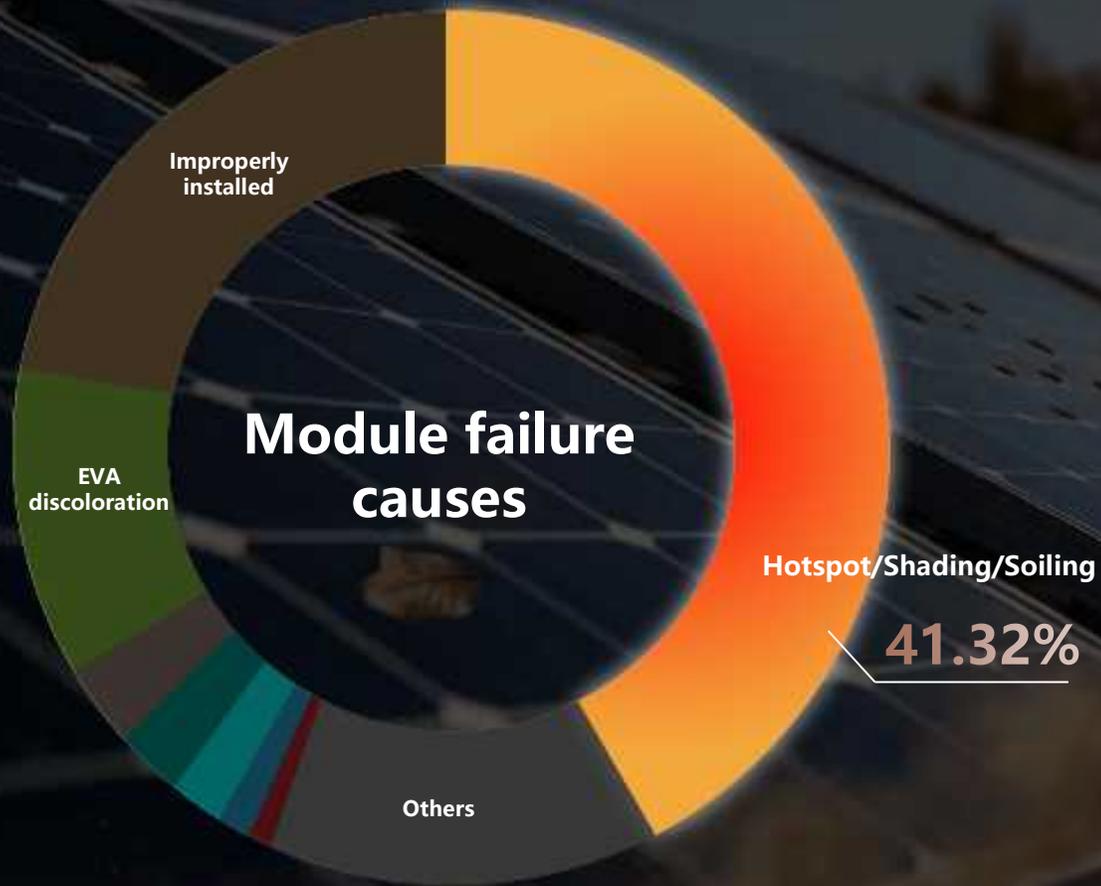
LONGI



Shading and Hotspots are Core Challenges for Safe and Efficient Operation

LONGI

95% PV Plants in DG affected by shading and hotspots



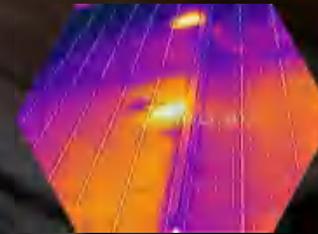
Shading by objects



Bird droppings and dirt



Dust accumulation



Hotspots

Nearly 50% of Module Failures are Caused by Shading

Data source: Solar Bankability <Technical_risks_in_PV_projects>



Reduce Power

The power loss can reach **33%** with single cell shaded



Damage Encapsulation

Hotspots cause the film inside the module decomposing and yellowing due to heat



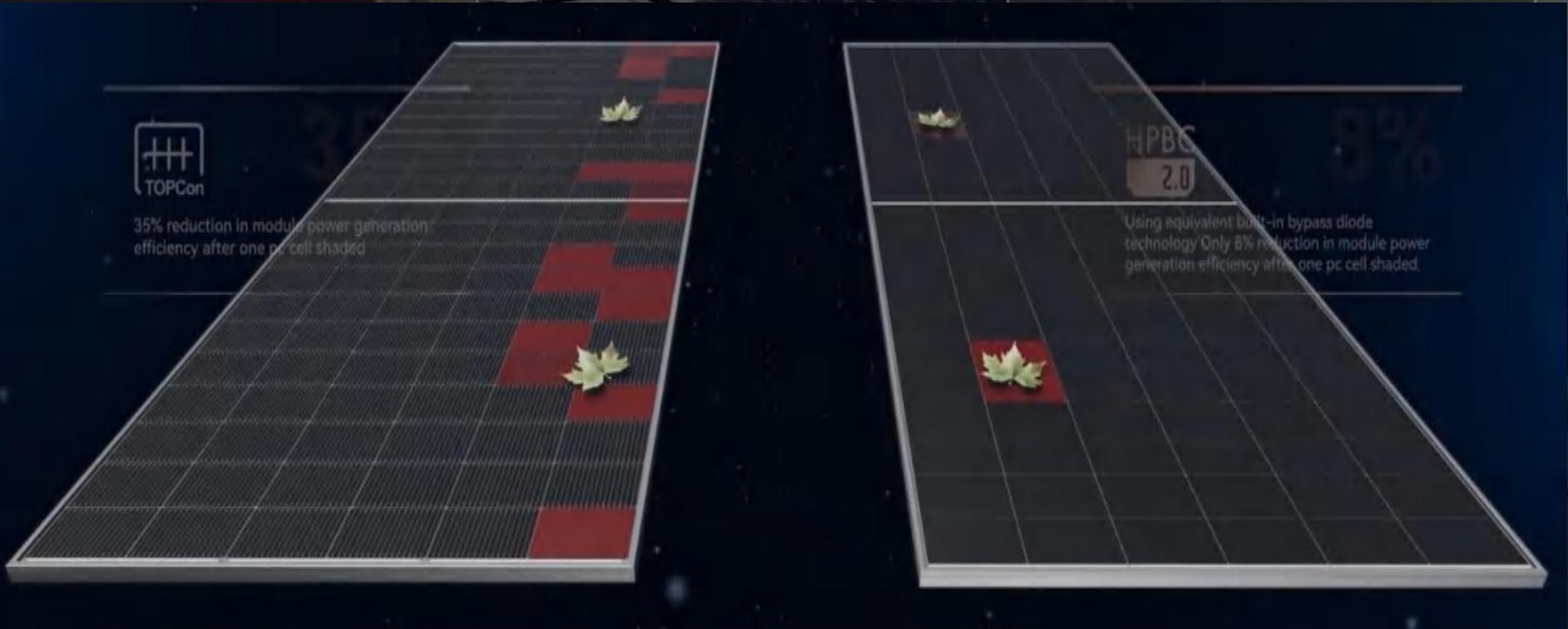
Increase Fire Risk

The hotspot reaches above **170°C**, can cause a fire

Shading Optimizer Technology Minimizes Power Loss



Up to **70%** less power loss

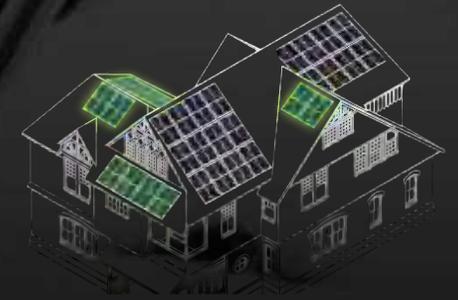


Equipment Shading

Leaves Shading

Dust Shading

Snow Shading



Flexible design
Maximizing roof utilization

Minimize Shading Loss | Maximize Roof Utilization

Demo on Shading Optimizer Technology

LONGI



Prevent Localized Overheating | Eliminate Fire Hazards

Temperature reduced by more than **28%** on covered area



Day in Spring



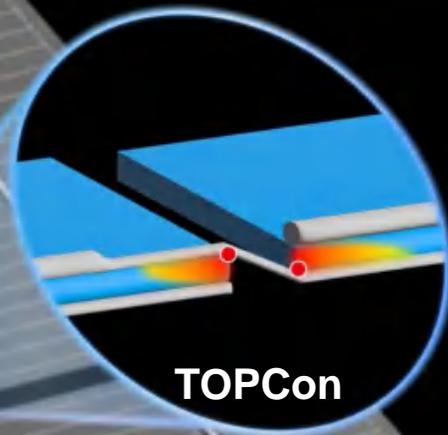
Day in Summer

Less Heat | More Power | Premium Reliability

System-Level Impact Resistance

Reduced Risk of Micro-cracks during Transportation by **87.2%**

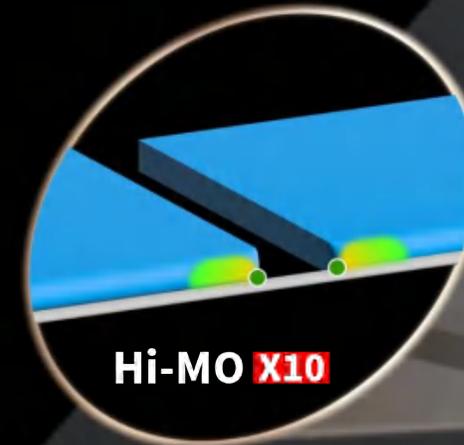
48% more
stress to the cell



TOPCon

Traditional soldering structure
Cell edge stress: **50Mpa**

— Cell
— Ribbon
Stress



Hi-MO X10

One-line soldering structure
Cell edge stress: **26Mpa**

TaiRay Wafer

Highly Automated Tests with AI Detection for Failures

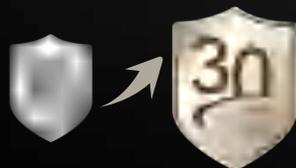
AI-inspection Automation System in Quality Control

No human mistakes and self-improving algorithm
More transparency, accuracy and speed

Product Warranty



Power Warranty



Hi-MO X10 Better Power Performance

LONGI

3.61%

Hi-MO X10  TOPCon
Higher generation per W

Yield Comparison

Hi-MO X10

TOPCon

12-day yield
56.70
kWh/kWp

37.15 kWh

per module

Nameplate power 645W



33.18 kWh

per module

Nameplate power 597W

12-day yield
55.59
kWh/kWp

* Data acquisition period: Sept 15th 2024- Sept 26th 2024



Test location

Xi'an,
Shaan Xi Province



Reference Module

Hi-MO X10 (BC) Dual Glass
vs TOPCon Dual Glass



Installation Angle

20°



Bearing Angle

0°

Calculation of 12-day yield =

$$\frac{12\text{-day total energy generation (kWh)}}{\text{Nameplate power (kW)}}$$

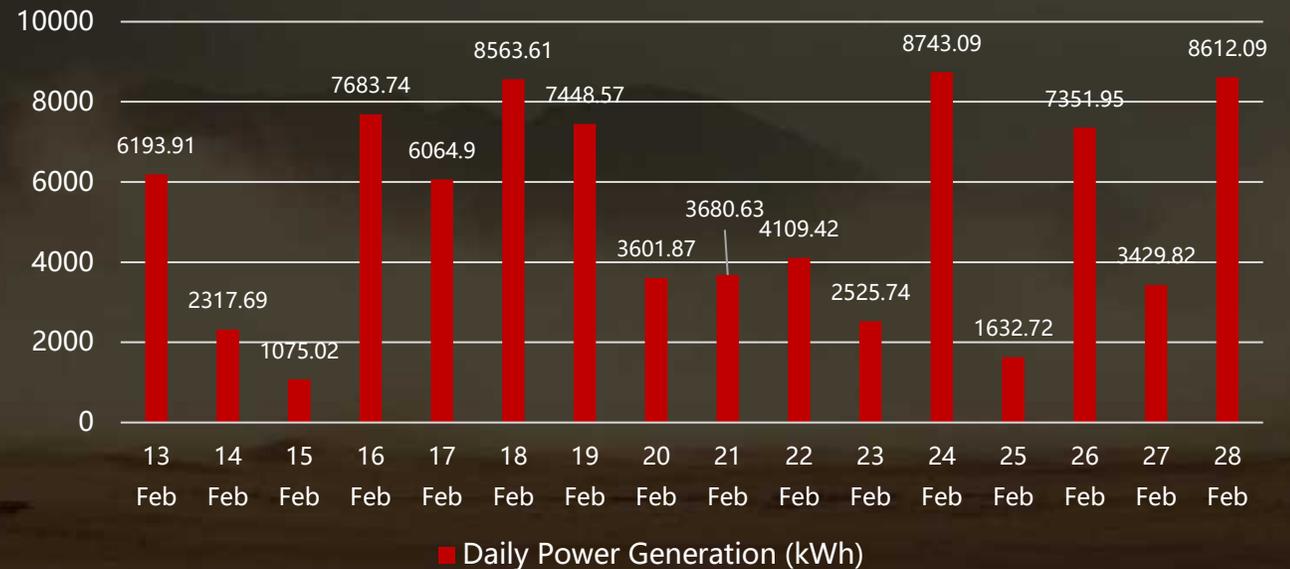
Empirical Case: SEMIR Hi-MO X10 Project in Shanghai, China

SEMIR Group, a comprehensive enterprise focused on multi-brand apparel and diversified industries, has installed **LONGi Hi-MO X10 modules** across the rooftops of its two office buildings in Shanghai, covering an area equivalent to three standard football fields. Operating under the "self-consumption with surplus grid feed-in" model, the system continuously supplies green electricity to power the headquarters' daily operations, cold chain logistics, and live-streaming facilities.

Location	Module Model	Inverter Model	Installation	Angle	System Design	Module Number	Project Capacity	Time of Grid Connection
Shanghai China	LONGi Hi-MO X10 LR7-72HVH-645W	SUN2000-110KTL-M2 SUN2000-50KTL-ZHM3	Mounting installation Herringbone/V-shaped	5°	18 pcs/string	3273	2.11MW	2025-1-27



Shanghai SEMIR Hi-MO X10 Installation Picture



Shanghai SEMIR Hi-MO X10 2025.2 Power Generation Data

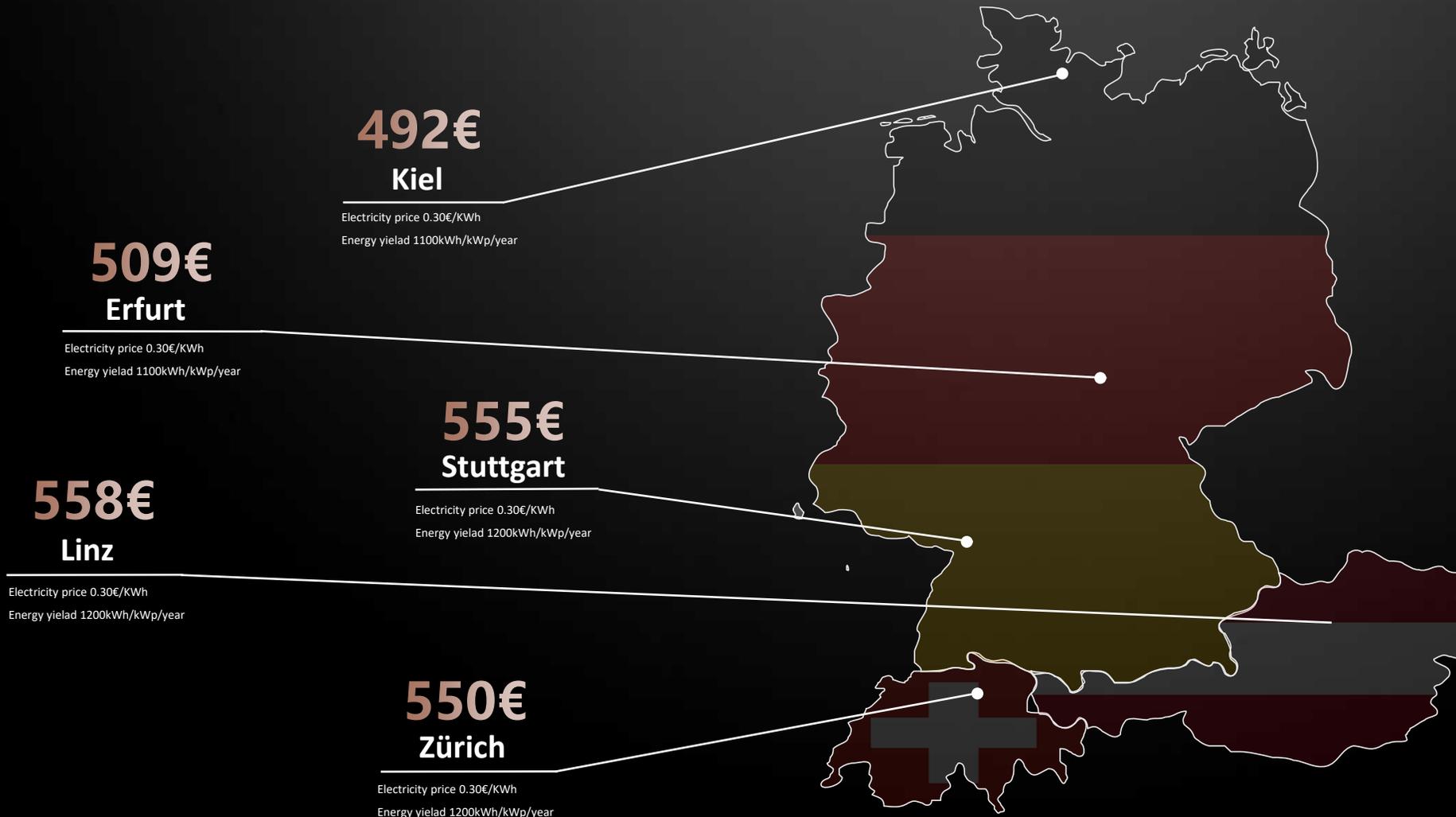
According to Pvsyst simulations, the first year power generation is about 2.5 million kWh, February power generation is 134,500 kWh, with an average of 4,804 kWh/day. While the actual power generation in February is about 5,190 kWh/day, exceeding projections by **8%**!

Value Calculation

Hi-MO X10 Brings Significant Gains Over TOPCon

Income of Hi-MO X10 over TOPCon in 30 years (€/module)

Each module generates more than 60 kWh of additional electricity per year!



Income vs Electricity prices* (€/kWh)

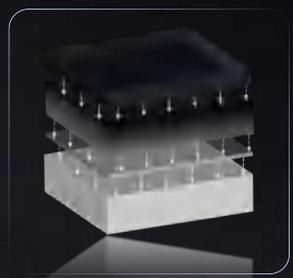
City	Net gains vs TOPCon (€)		
	0.20	0.25	0.30
Kiel	328	410	492
Erfurt	339	423	509
Stuttgart	370	462	555
Linz	372	465	558
Zürich	366	458	550

*source: https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Electricity_price_statistics#Electricity_prices_for_non-household_consumers

EcoLife X10 EcoLife S10

Summary

1. High Performance



HPBC 2.0 / HIBC



TaiRay Wafer

2. Best Returns

Huge financial return with lower BOS cost

3. Aesthetics



No Front Gridline



LCD Large-screen

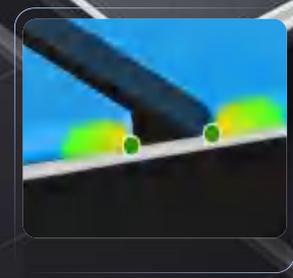
4. Reliability



HPBC 2.0



TaiRay Wafer



One-line Soldering



Comprehensive Tests



LONGI

LONGI EcoLife

Define Roof Define Life

From "100,000 Roofs Program" to Lighting Up the Rooftops of More than 8 Million Families

"100,000 Roofs Program"

1998

8 000,000+ Roofs

By 2024

Germany is the core driver of the European market due to its policy strength and tariff mechanism. Countries such as Italy and France are also promoting the popularity of household PV through similar subsidy policies.

By 2024, the installed PV capacity in Europe will be about 338GW, of which residential will account for 24%, or about 81.12GW. According to the calculation of 10 kW per household, there are about 8 million household power stations.

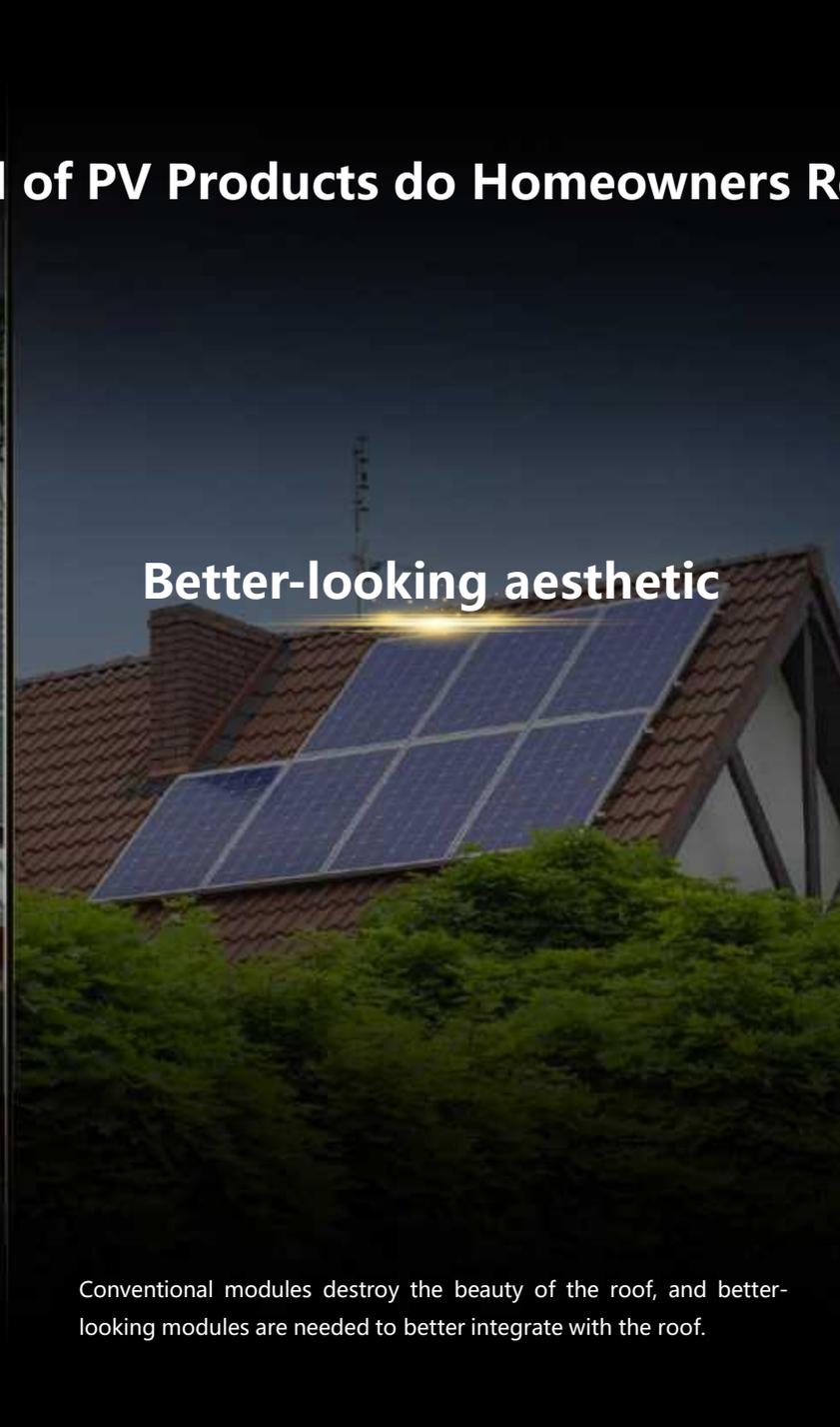
Data source: SolarPower Europe

What Kind of PV Products do Homeowners Really Need?



Higher power generation

Limited roof area requires more efficient and more power-generating modules to meet growing electricity demand.



Better-looking aesthetic

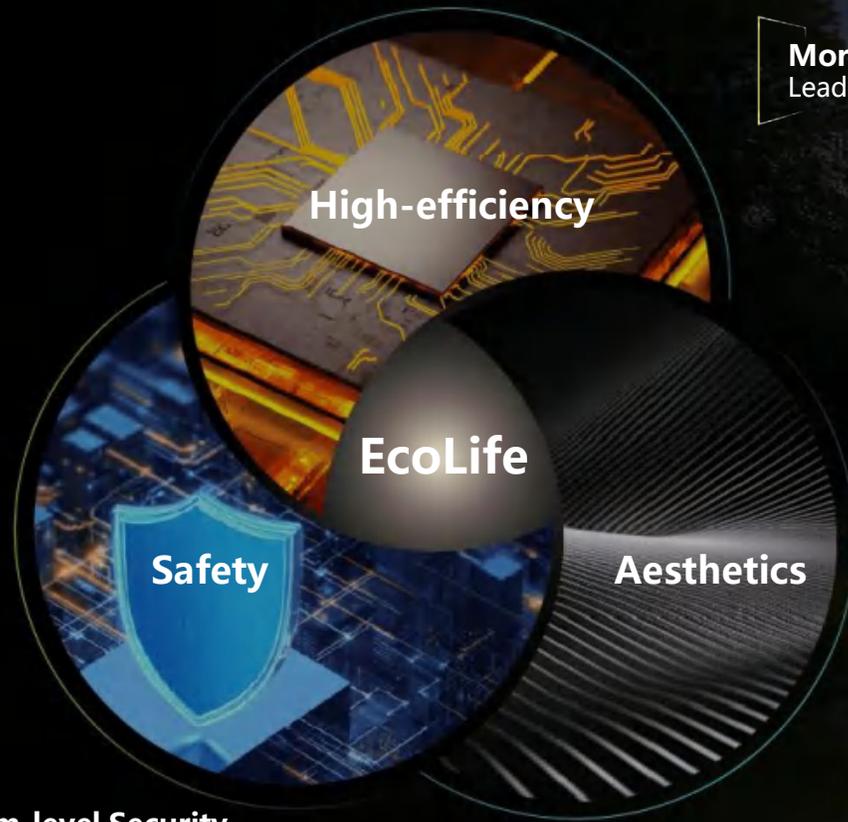
Conventional modules destroy the beauty of the roof, and better-looking modules are needed to better integrate with the roof.



Ultimate safety

Safety is the core demand of household modules, and safety performance is of great concern to homeowners.

LONGi EcoLife Series: Redefine the Residential Level PV Module



More power generation
Leading Technology

System-level Security
Long-term solution for module safety and reliability

Uniform Black
PV and architecture in perfect harmony



LONGI EcoLife

Energy, Safety, Aesthetics

The Premium Standard in
Sustainable Living

Power binning
range

510W

475W

Power density
range

250w/m²

233w/m²

Warranty period

Lifetime
Warranty

Hi-MO X10 Hi-MO S10

More power per Square Meter of Roof

Higher installed capacity for the same roof area

Maximum power leads 40W



Under the same area, installed capacity increases by **6% ~ 9%** vs TOPCon

More power for the same life span

Linear degradation as low as 0.35%

Power output after 30 years

EcoLife-S10	EcoLife-X10	TOPCon
453w	444w	411w
510*88.85%	500*88.85%	470*87.40%

After 30-year, power output is more than **6%/10%** vs TOPCon

More power at the same temperature

Power temperature coefficient as low as -0.24%/°C

Power output under 85°C

EcoLife	EcoLife-X10	TOPCon
437w	422w	388w
510*85.60%	500*84.4%	470*82.60%

In summer, the power output is more than **8%/12%** higher than TOPCon

More power for the same shading area

Unique Anti-Shading Technology



Under the same shading conditions the power loss is reduced by **78%**

Higher Installation Capacity, More power Generation

📍 Frankfurt, Germany

🏠 Roof area: 30 m²

🕒 Roof angle: 39.5° tiled

📦 Module Number: 15 pcs

TOPCon

EcoLife

455	Module rated power (W)	495		
6.8	Installed capacity (kW)	7.4	⬆️	8.79%
203.71	Total power generation (MWh)	226.52	⬆️	11.20%



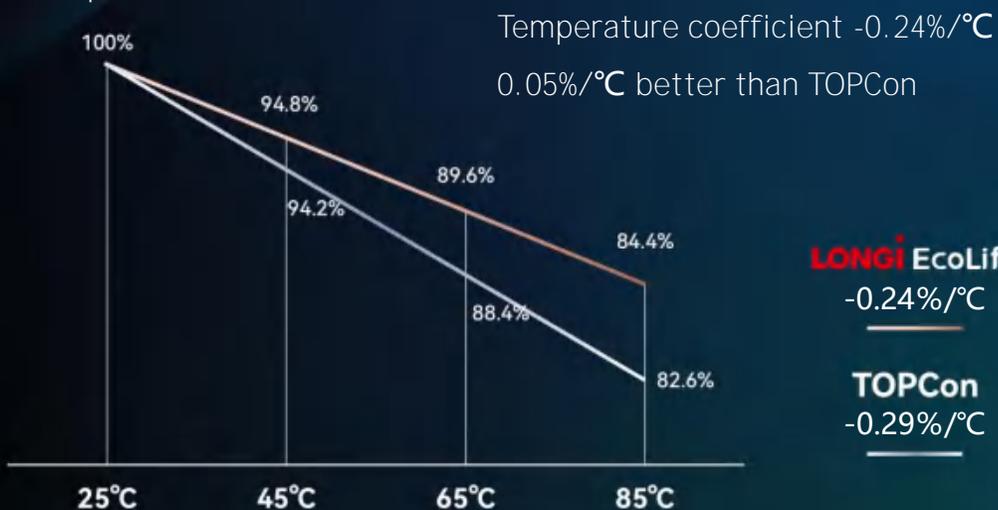
LONGI EcoLife

Hi-MO S10

Better Power Generation Performance at High Temperature

Fearless of High Temperature

Output/%



*Considering only the effect of module temperature coefficient on module power generation

LONGI EcoLife

Energy, **Safety**, Aesthetics



Higher snow-load capacity

30%+



More resistance over red alert

25%



Fire resistance rating meets

A With a Class A
fire rating

Your Family's Last Line of
Defense When Nature Strikes

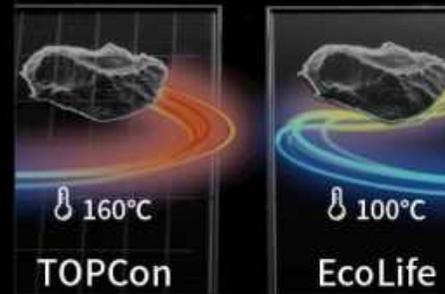
Combine Active and Passive Safety Design to Build the Safest PV Roofs



Unique and leading active safety design

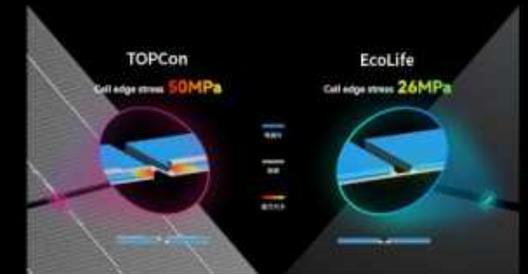
Advanced passive safety performance

Weak Conduction Design



Temperature under the shading is always below 100°C, permanently reduces the risk of hot spot and fire by the shading.

Anti-Hidden Crack Design



EcoLife adopts high-thickness TaiRay wafer, which the maximum rupture strength increased by 16%. one-line welding structure reduce the edge stress by 48%. The overall risk of hidden cracks is reduced by 90%.

Fire Protection



Double-glass: Class A Fire protection level, further enhancing fireproof performance.

Resistant to wind and snow



EcoLife-S10: 6000Pa/3600Pa, withstand 4-meter snow accumulation and Category 15 typhoon winds.

Reliability - Quality - Performance

Independent testing laboratories confirm the excellent product quality

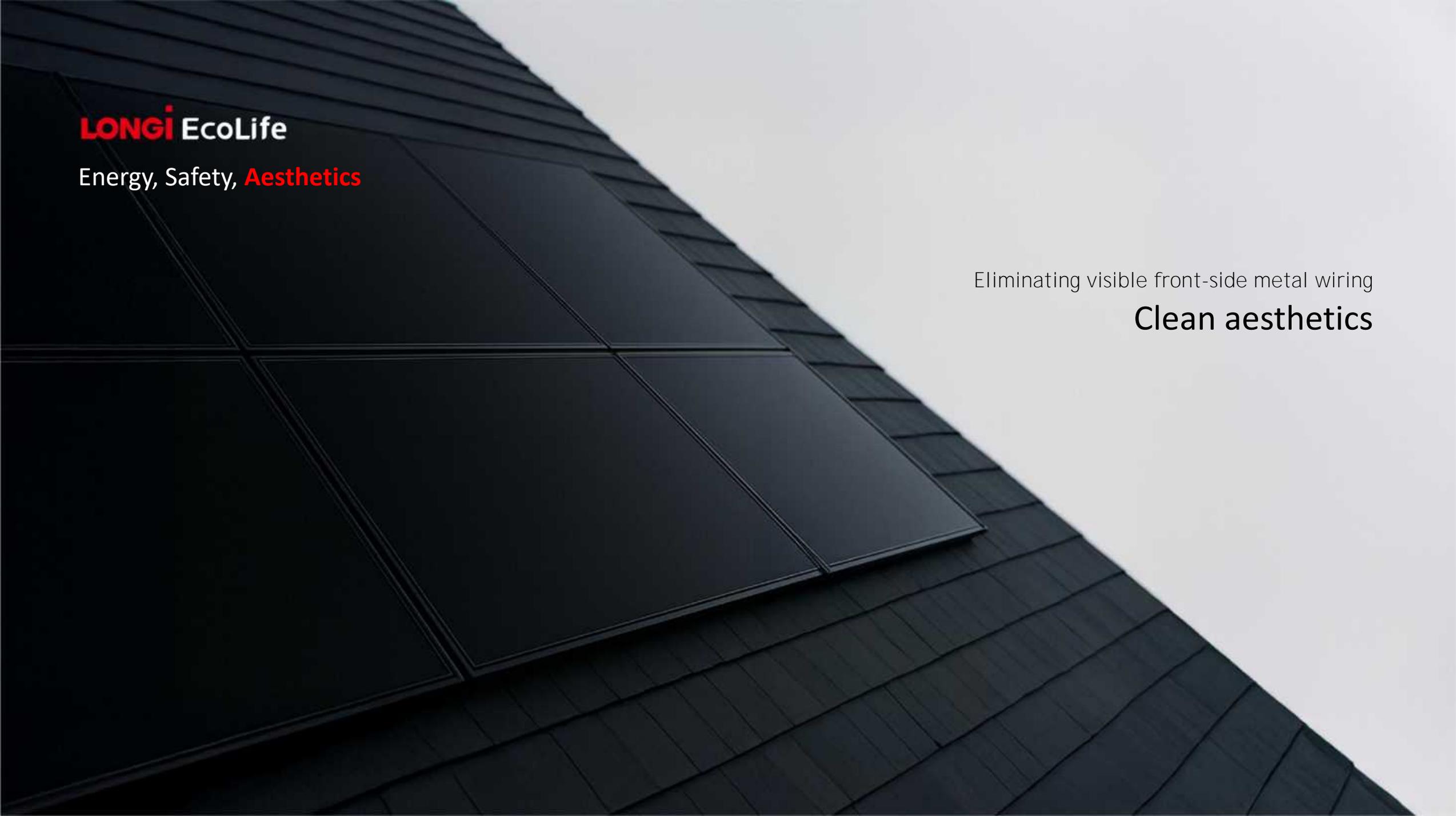


600cycles + **2000hours** + **192hours**
Thermal cycle test Humidity-heat test PID Test
1000times **50hours** **30A**
DML Test Thermal cycle test Humidity-Frost Test

“Top Performer” awarded in PV Module Reliability Scorecard **7** Years Continuously



“High Achiever” awarded **6** Years Continuously



LONGI EcoLife

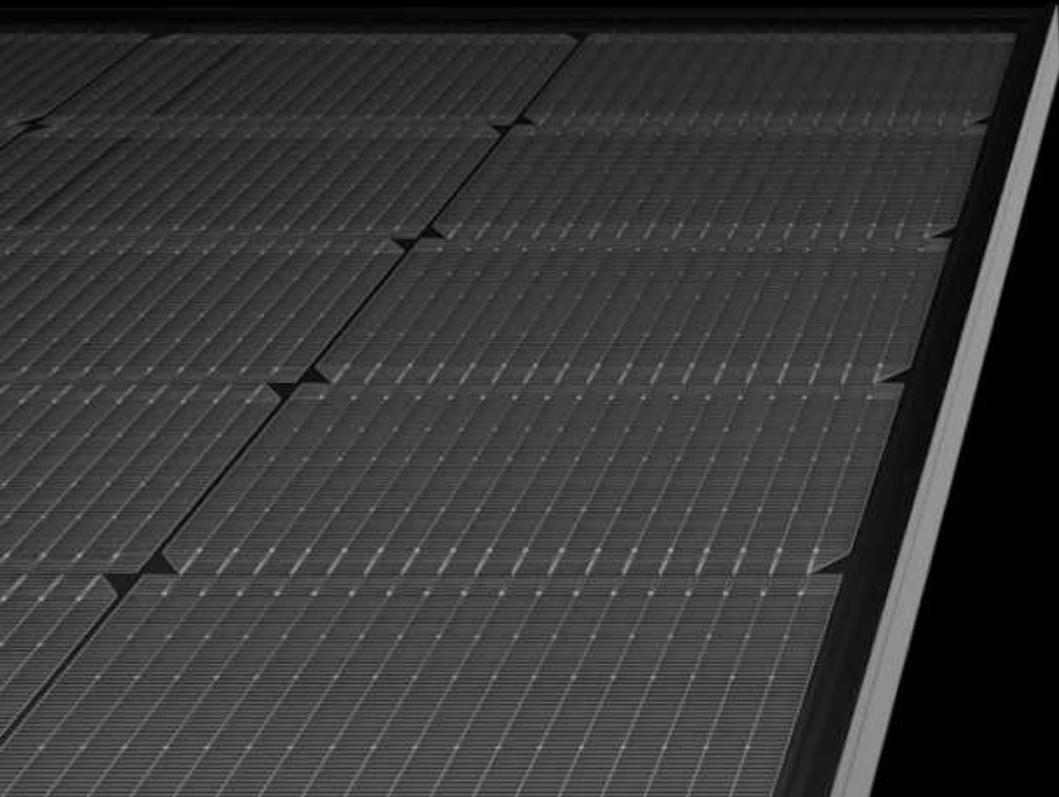
Energy, Safety, **Aesthetics**

Eliminating visible front-side metal wiring

Clean aesthetics

Aesthetics from **No** Front Gridlines

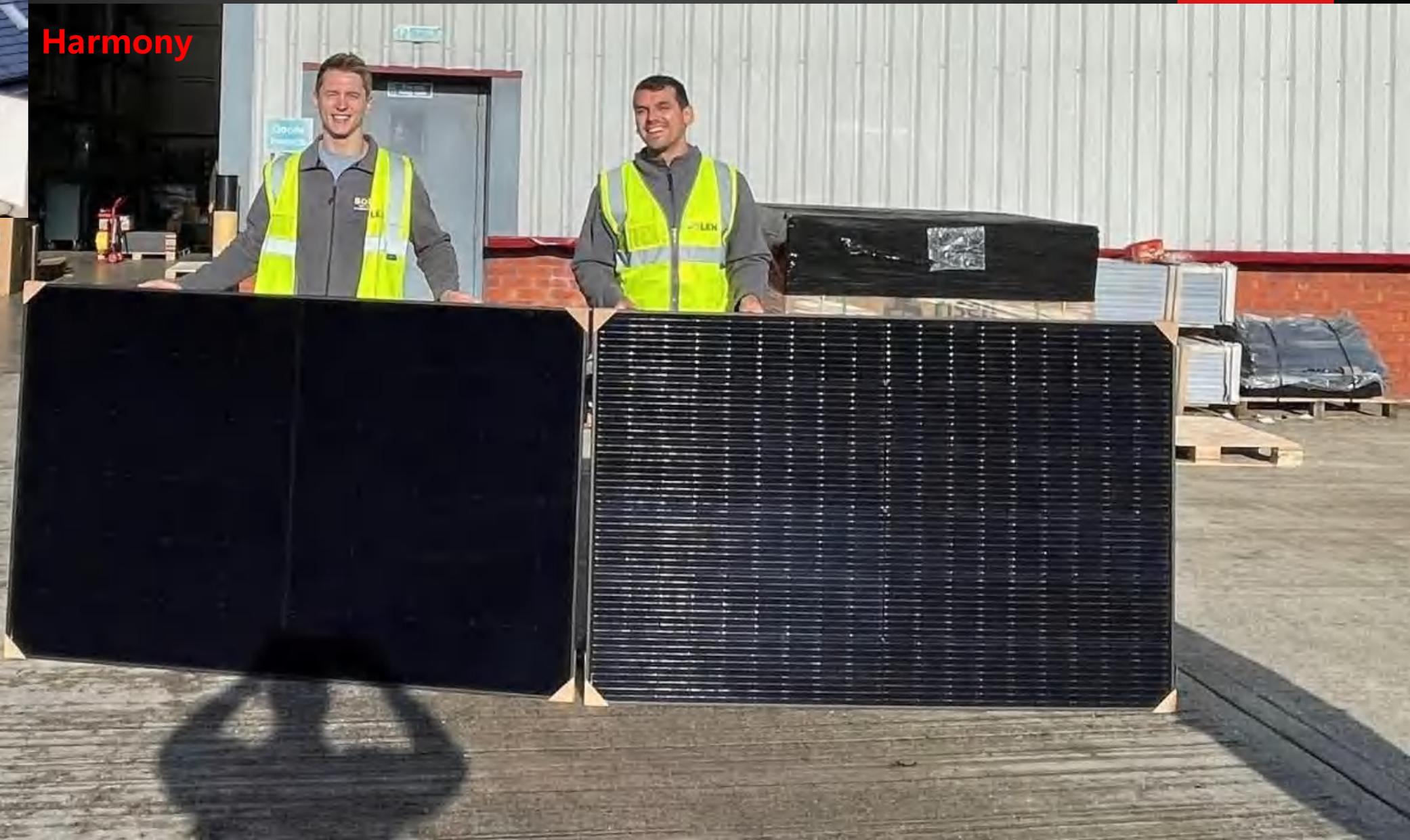
Premium and elegant design with
Maximum Simplification



The Real Full Black

LONGI

Harmony



Content

- Company Introduction
- Leading Technology
- Hi-MO X10 + EcoLife
- **Product Roadmap**

LONGi EcoLife: Meets Diverse Household Needs with Complete Product Portfolio



Regular dual glass white



X10 LR7-54HVB

Maximum power: **495W**
 Warranty: **30+30**
 Weight: **21.6kg**

High-end dual glass pure black



X10 LR7-54HVBB

Maximum power: **485W**
 Warranty: **30+30**
 Weight: **23.5kg**

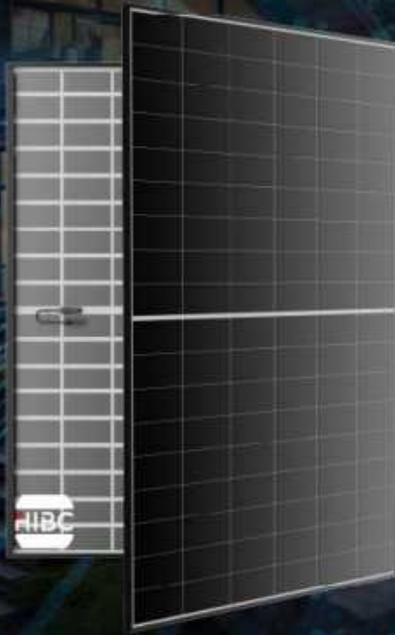
Flagship dual glass real black



S10 LR7-54HJBB

Maximum power: **505W**
 Warranty: **30+30**
 Weight: **23.5 kg**

Flagship dual glass white



S10 LR7-54HJD

Maximum power: **510W**
 Warranty: **30+30**
 Weight: **23.5 kg**

High-end single glass pure black



X10 LR7-54HVD

Maximum power: **495W**
 Warranty: **15+30**
 Weight: **23.5kg**

Regular single glass white



X10 LR7-54HVH

Maximum power: **500W**
 Warranty: **15+30**
 Weight: **21.6kg**

Size: **1800×1134×30 mm**

LONGi 2025 Product Roadmap



Product Type	Product Code	Dimension [mm]	Module Area	Frame Color BLK /WHT	Modul-design	Cell Techn.	Power [W]	Production Period		
								Q2	Q3	Q4
Hi-MOX10 54 Cells	LR7-54HVH	1800x1134	2,04m ²	WHT	Glass-Backsheet	BC-N-Type	485			
Hi-MOX10 54 Cells	LR7-54HVB	1800x1134	2,04m ²	BLK	Glass-Backsheet	BC-N-Type	475			
Hi-MOX10 54 Cells	LR7-54HVD	1800x1134	2,04m ²	WHT	Double-glass Bifacial	BC-N-Type	480			
Hi-MOX10 54 Cells	LR7-54HVBB	1800x1134	2,04m ²	BLK	Double-glass Bifacial	BC-N-Type	475			
Hi-MOX10 60 Cells	LR7-60HVH	1990x1134	2,26m ²	WHT	Glass-Backsheet	BC-N-Type	535			
Hi-MOX10 60 Cells	LR7-60HVD	1990x1134	2,26m ²	WHT	Double-glass Bifacial	BC-N-Type	530			
Hi-MOX10 72 Cells	LR7-72HVH	2382 x 1134	2,70m ²	WHT	Glass-Backsheet	BC-N-Type	645			
Hi-MOX10 72 Cells + Function	LR7-72HVHF	2382 x 1134	2,70m ²	WHT	Glass-Backsheet	BC-N-Type	645			
Hi-MOX10 72 Cells	LR7-72HVD	2382x1134	2,70m ²	WHT	Double-glass Bifacial	BC-N-Type	640			
Hi-MOX10 72 Cells + Function	LR7-72HVDF	2382x1134	2,70m ²	WHT	Double-glass Bifacial	BC-N-Type	640			
Hi-MO S10 54 Cells	LR7-54HJBB	1800x1134	2,04m ²	BLK	Double-glass Bifacial	BC-N-Type	485			
Hi-MO S10 54 Cells	LR7-54HJD	1800x1134	2,04m ²	WHT	Double-glass Bifacial	BC-N-Type	490			
Hi-MO7 48 Cells	LR8-48HGD	1762x1134	1,99m ²	WHT	Double-glass Bifacial	N-Type TOPCon	445			
Hi-MO7 66 Cells	LR8-66HGD	2382x1134	2,70m ²	WHT	Double-glass Bifacial	N-Type TOPCon	615			

The above information is for reference only. All details are subject to actual circumstances. The grey area indicates the production period. Please contact your sales manager for information on availability and delivery timelines.

Hi-MO X10 Specific Scenario Products

Anti-dust

Minimizes need for maintenance

Hi-MO X10 LR7-54HTHF/
LR7-72HTHF



475-505W

1800×1134×30mm

Lightweight

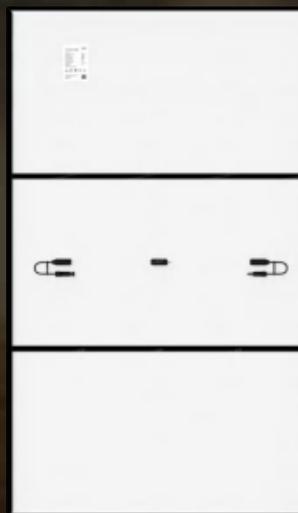
Hi-MO X10 LR7-60HTHL

27.5% lighter



540 - 550W

1990×1134×30mm



Anti-glare

Hi-MO X10 LR7-54HVH/
LR7-72HVH/LR7-72HVD



475-505W

1800×1134×30mm

Standard 72 cell

Hi-MO X10 LR7-72HVH
/LR7-72HVD



Up to 670W output

24.8% efficiency

2382×1134×30mm, 28.5kg/33kg

Hi-MO X10 Guardian (Anti-Dust)

Video functionality and advantages innovative frame design



Effectively prevent snow accumulation

- Same orientation of all module types: Hi-MO X6 anti-dust, mainstream Hi-MO X6 explorer, N-type TOPCon and XBC in the market.
- Installation angle 12°.
- Time: Nov. 2023.

Maximum daily energy gain **51.53%**

Maximum average energy gain **7.73%**



● China

● Xi' an



LONGI



Thank you