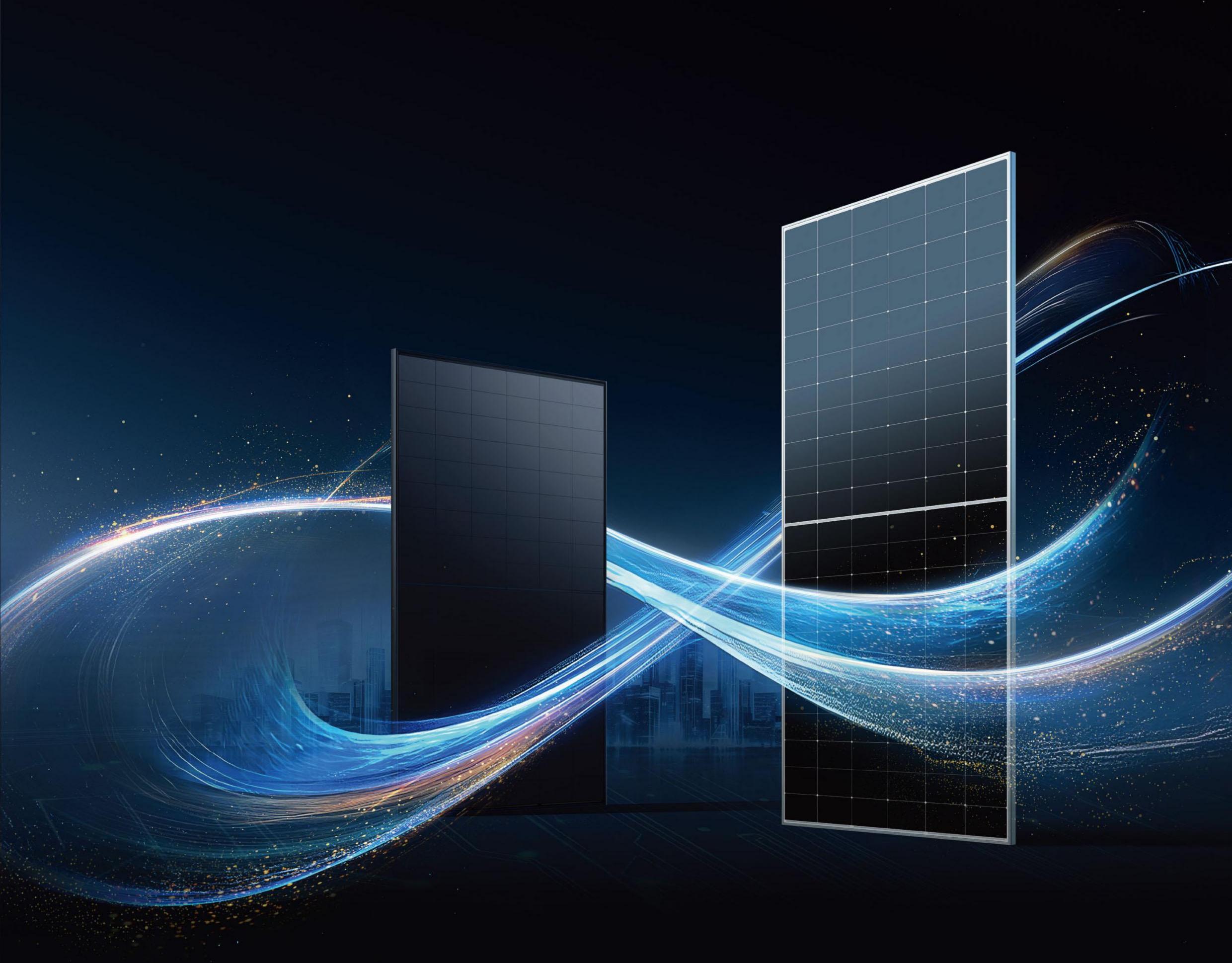


HI-NOX10

Peak of Crystalline Silicon
First Choice for Value
Unleash the Future Without Limits



To Make the Best of Solar Energy To Build a Green World

Founded in 2000, LONGi Green Energy Technology Co., Ltd. (LONGi) is committed to being the most valuable solar technology company in the world. 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.

125.42gw

Monocrystalline Silicon Wafer Shipment (2023)

200_{GW}

Annual Capacity Plan for the Next Three Years Wafer Annual Planed Capacity

120 GW

Monocrystalline Silicon Module Capacity (2023)

170gw

Monocrystalline Silicon Wafer Capacity (2023)

67.52gw

Monocrystalline Silicon Module Shipment (2023)

150gw

Annual Capacity Plan for the Next Three Years Module Annual Planed Capacity

LONGi has consistently maintained industry leading ability to mitigate risk and adapt to market changes and, as part of operations, the company prioritizes corporate financial health and stability, with its asset-liability ratio at a low level compared to other global PV manufacturers.

TIER 1

Tier 1 PV Module Manufacturer

Source: BNEF 1Q 2024 Global PV Market Outlook

100%

100% Bankable PV Module Brand

Source: BNEF PV Module & Inverter Bankability 2023

(AAA)

PV Module Tech Bankability Rating

Source: PV ModuleTech Bankability Ratings Quarterly | Q1'24 Release

Innovation Without Limits

HPBC 2.0 Sets Sail, Great Leaps in 3 Key Technologies

Leap the Cell Technology Barrier

Upgraded three-layer structure of light absorption/photovoltaic conversion/electricity transmission

Optimised Multi-layer Anti-reflection Film: Increase light absorption

2.25% increase in short-circuit current | 12%+ reduction in reflections at short waves

Innovation Bipolar Hybrid Passivation

Mass production Voc exceeds 745mV | Effective against UV-induced degradation

Soft Breakdown Design + Bipolar Low Resistance Passivation Contacts

Reduced hot spot/shading power loss | Overall cell efficiency improvement

Leap the Silicon Substrate Limitations

Equipped with TaiRay core

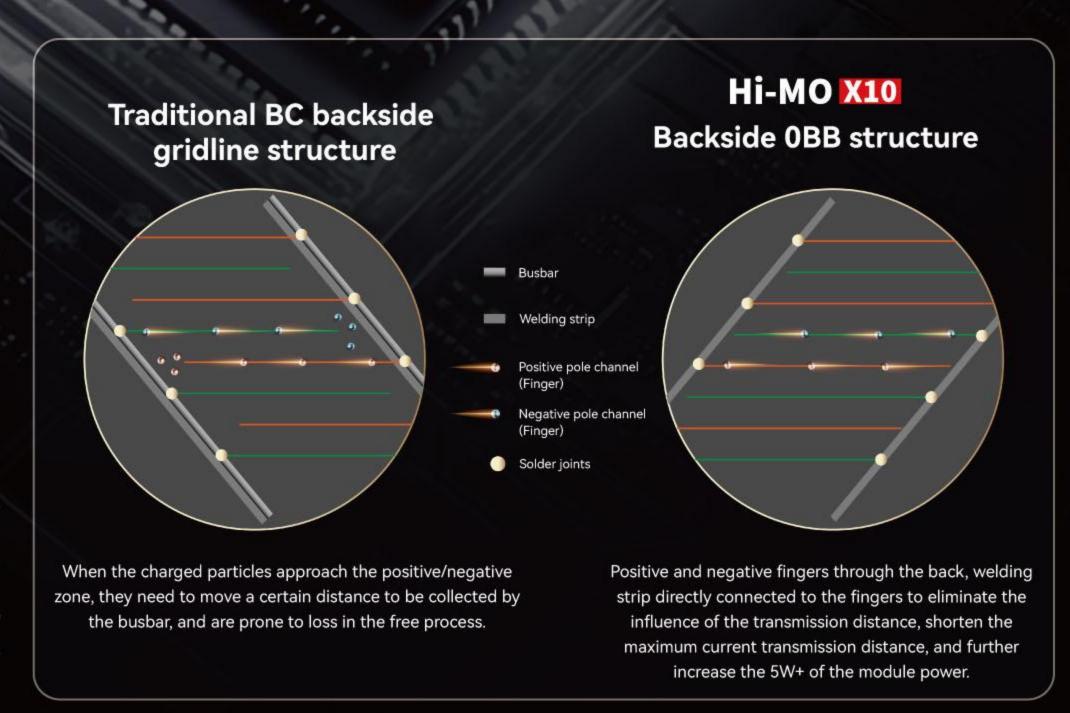
Enhances overall power generation potential and reliability

Leap the BC Manufacturing Dilemma

Innovative development of 0BB structure, Breakthroughs in key processes and materials

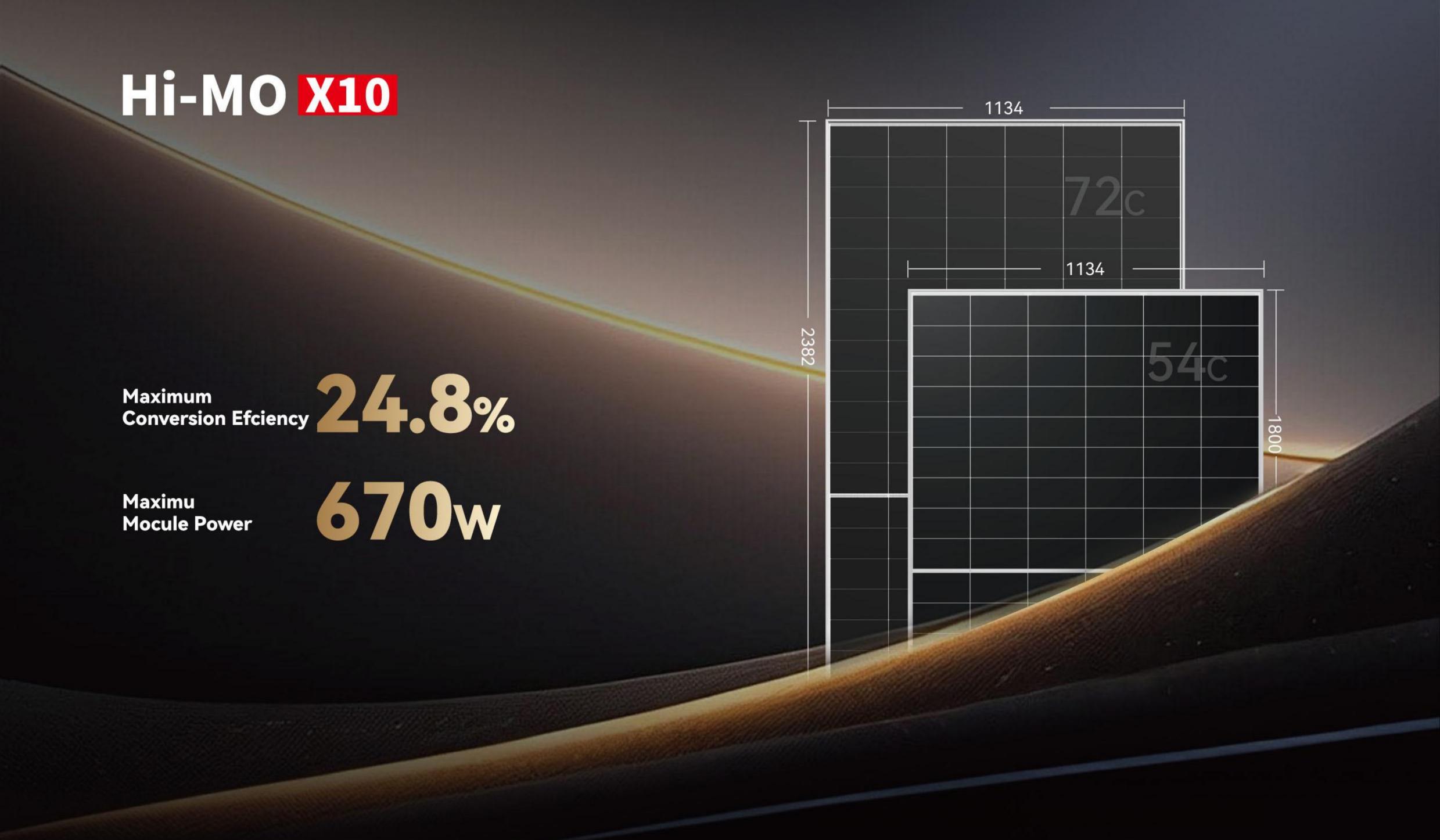
> Innovative Development Of 0BB Structures

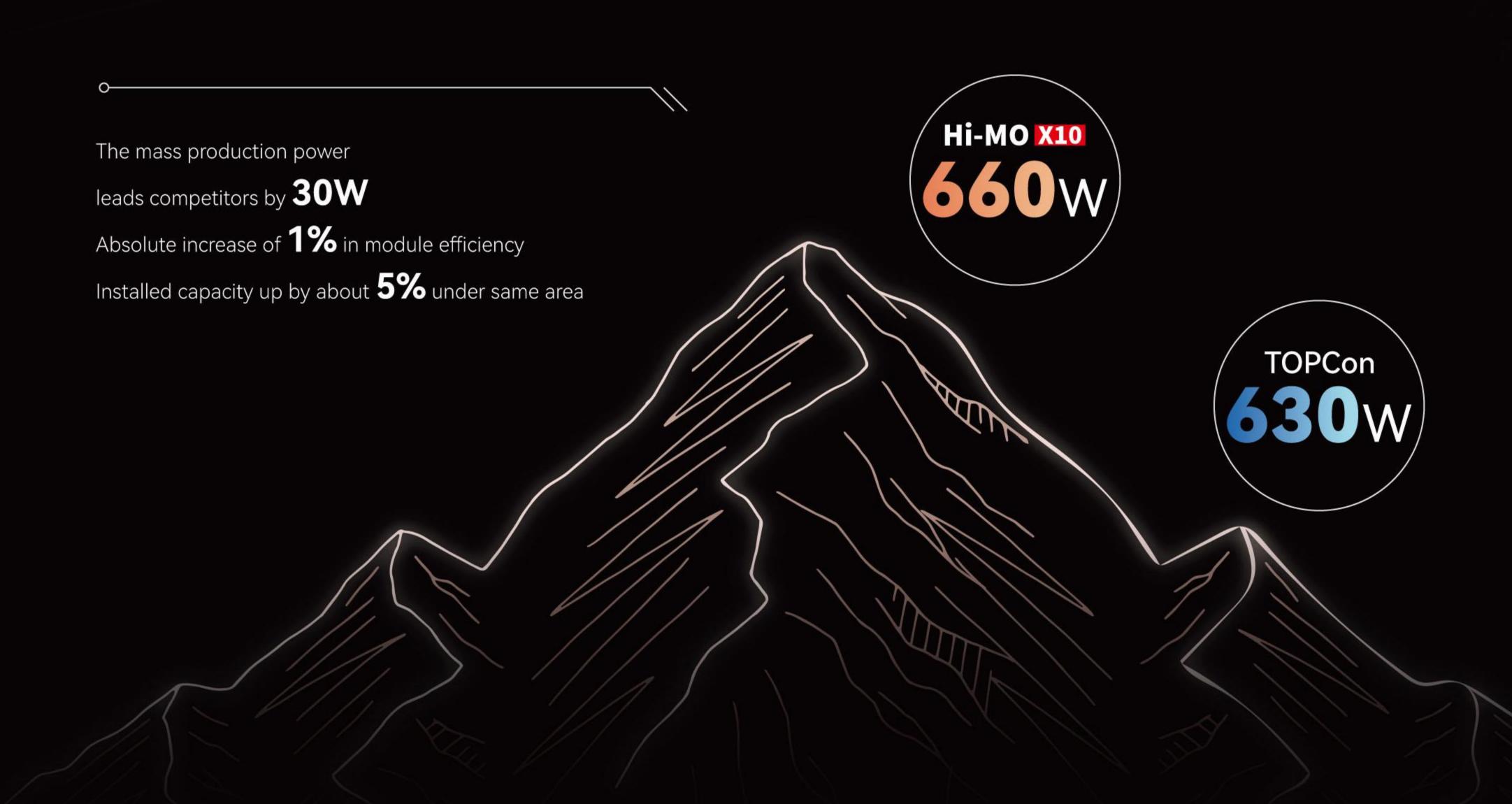
No frontal gridline, No back busbars



Power Without Limits

Peak Efficiency, The Mass Production Power Leads the Industry by 30W





Ambition Without Limits

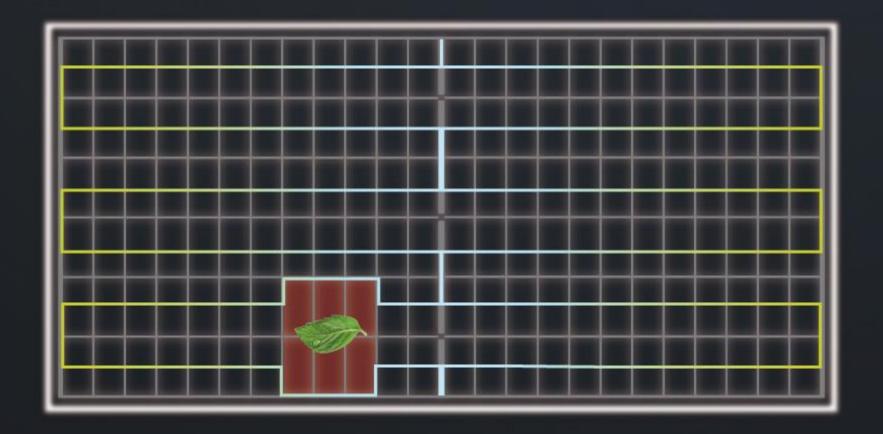
Unique Leading Technology Establish the Core Superiority of Hi-MO X10

Anti-Shading No Fear of Partial Shading | Lower Power Loss

Hi-MO X10

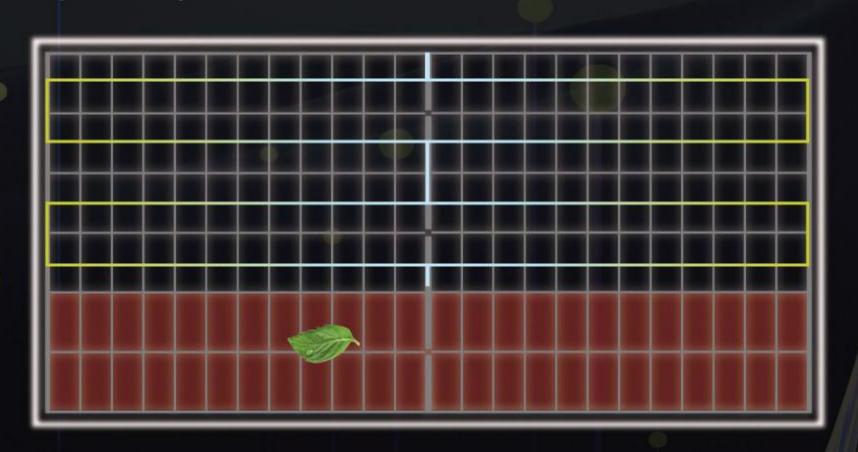
Single-cell shading leads to self-bypass

No affect to the power output of the entire string of cells,
less power loss



Regular Module

Single-cell shading leads to the entire string of cells to bypass large power loss



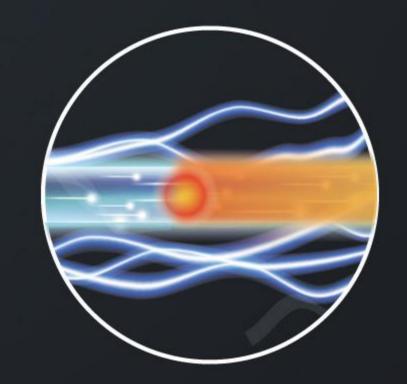
Prevent localized overheating

Reduce Hot Spot Temperature | Failure Risk Drops Sharply



Hi-MO X10

Soft Breakdown Design can significantly reduce the local temperature under shading



TOPCon

Shading transform cell into a load, consumes current, local Temperature rise, causes hot spot

Local temperature reduced

28%+ compare with regular cell





Low Temperature Coefficient



Low Degradation



Anti-Shading



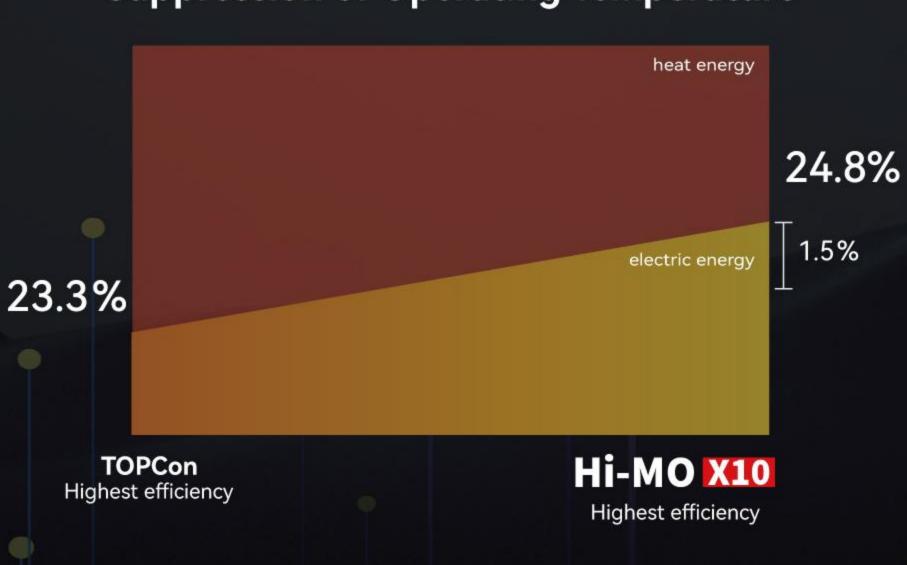
Low Fault Failure

Ambition Without Limits

Unique Leading Technology Establish the Core Superiority of Hi-MO X10

Full- Scenario Aging Suppression High-Reliability Packaging Resists Aging | High Efficiency Reduces Temperature High-Reliability Packaging • High density packaging • Pure silver electrode paste • Innovation bipolar hybrid passivation

Suppression of Operating Temperature

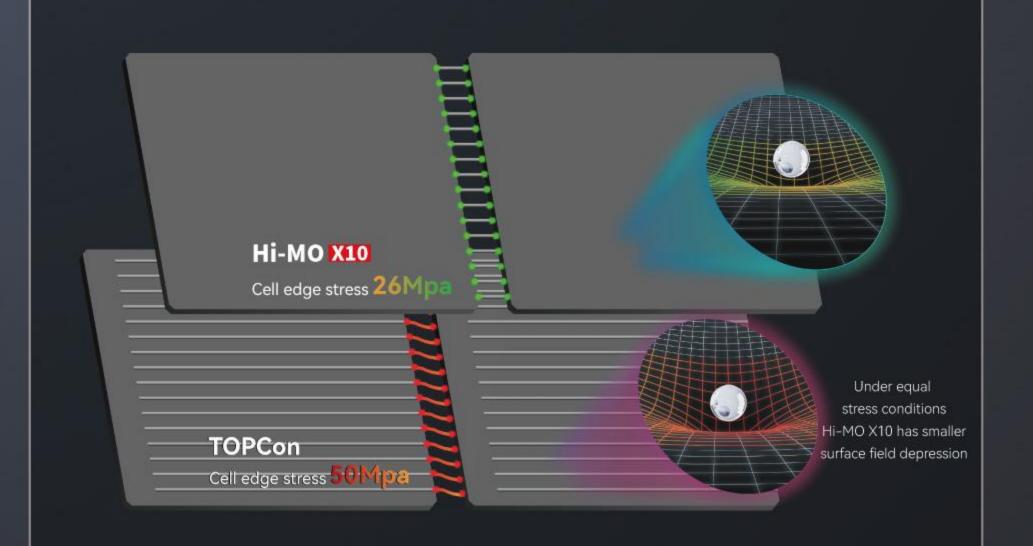


Law of conservation of energy: higher efficiency means higher power and lessheat, thus lower temperature.

Hi-MO X10 module is 1.5% more efficient than TOPCon, with lower operating temperature and better aging suppression.

System-Level Resistance to Mechanical Stress

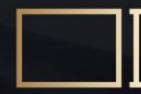
Thicker TaiRay wafer | All Back Contact One-line Welding Structure





TaiRay Core

Ultra-high mechanical strength maximum rupture strength increased by 16%.



Thicker TaiRay Wafer

Water thickness is 10µm thicker than mainstream thicker for stronger reliability



All Back Contact One - line Welding Structure

Reduce cell edge stress improve anti-cracking performance





Low Temperature Coefficient



Low Degradation



Anti-Shading



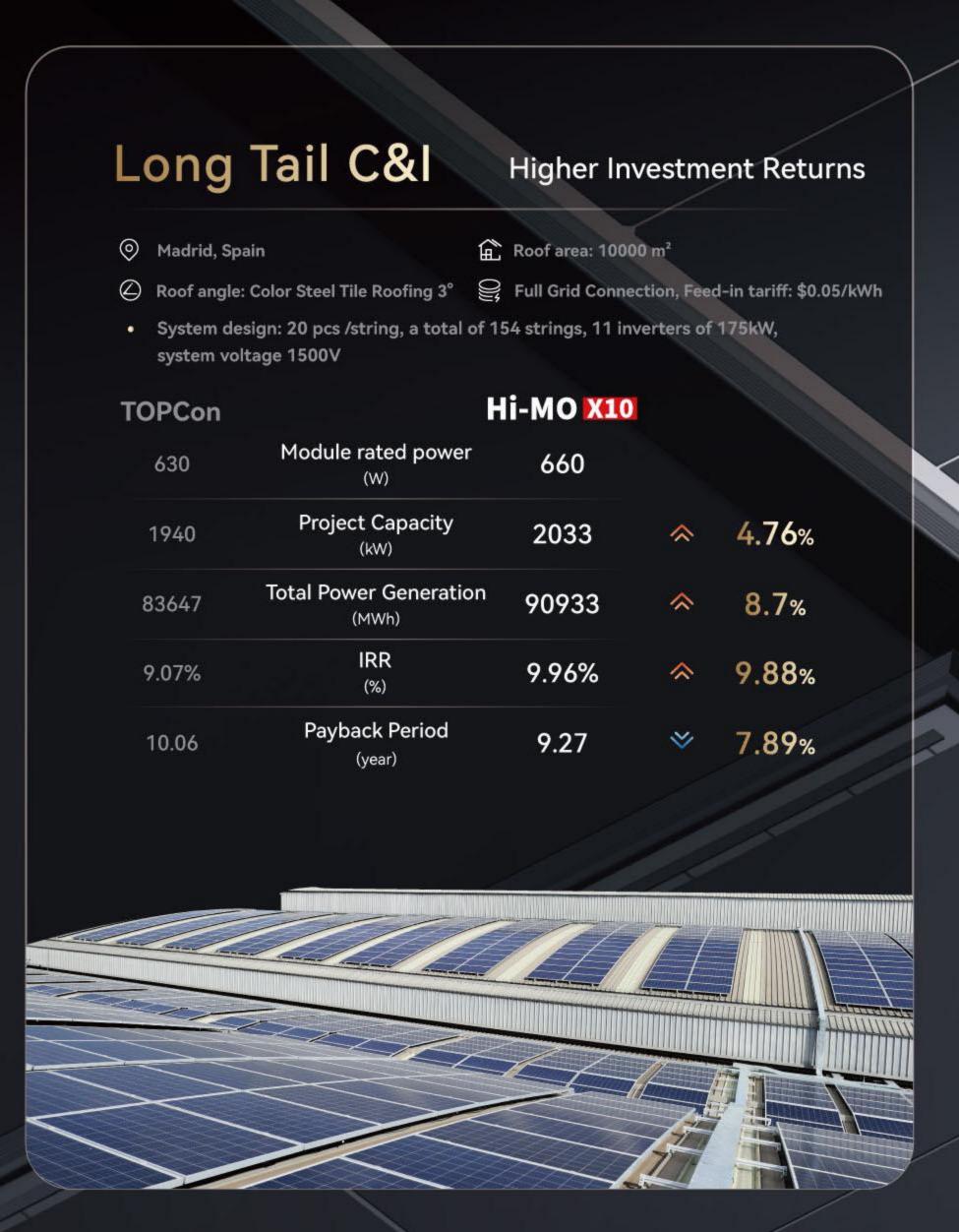
Low Fault Failure

Value Growth Without Limits 8%+



Enter Thousands of Industries and Households









Peak of Crystalline Silicon First Choice for Value

New Product, Meet User Scenario Needs



Performance Leading

Peak efficiency
Fearless to high temperature
Anti-shading



Reliability Leading

Anti-high temperatures & hot spots
Full- Scene aging suppression
Svstem-level resistance to mechanical stres



Standard Leading

Raw material standard Full- Scene reliability standard



Manufacturing Leading

Lighthouse factory
Technological manufacturing

Explorer Scientist

Hi-MO X10

Guardian

Hi-MO X10

Artist

