LONGi

Aesthetic · Efficient · Reliable · Intelligent

Hi-MO 6

Series Module Products

About LONGi

The world‘s leading solar technology company

LONGi leads the PV industry to new level with **product innovations** and **optimized performance-cost ratio** with breakthrough monocrystalline technologies. LONGi is recognized as the world’s most valuable solar technology company with the highest market value. **Innovation and sustainable development** are two of LONGi’s core values.

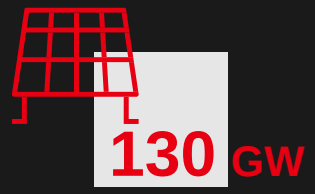
Y2000
Established

60000+
Employees

¥ 128.99 Billion
$26.3 B
Revenue
2022

¥ 14.8Billion
$3 B
Net Profit
2022

2023 Wafer Capacty
Ranked No.1worldwide



2023 Module Capacity Ranked
No.1 worldwide

BloombergNEF

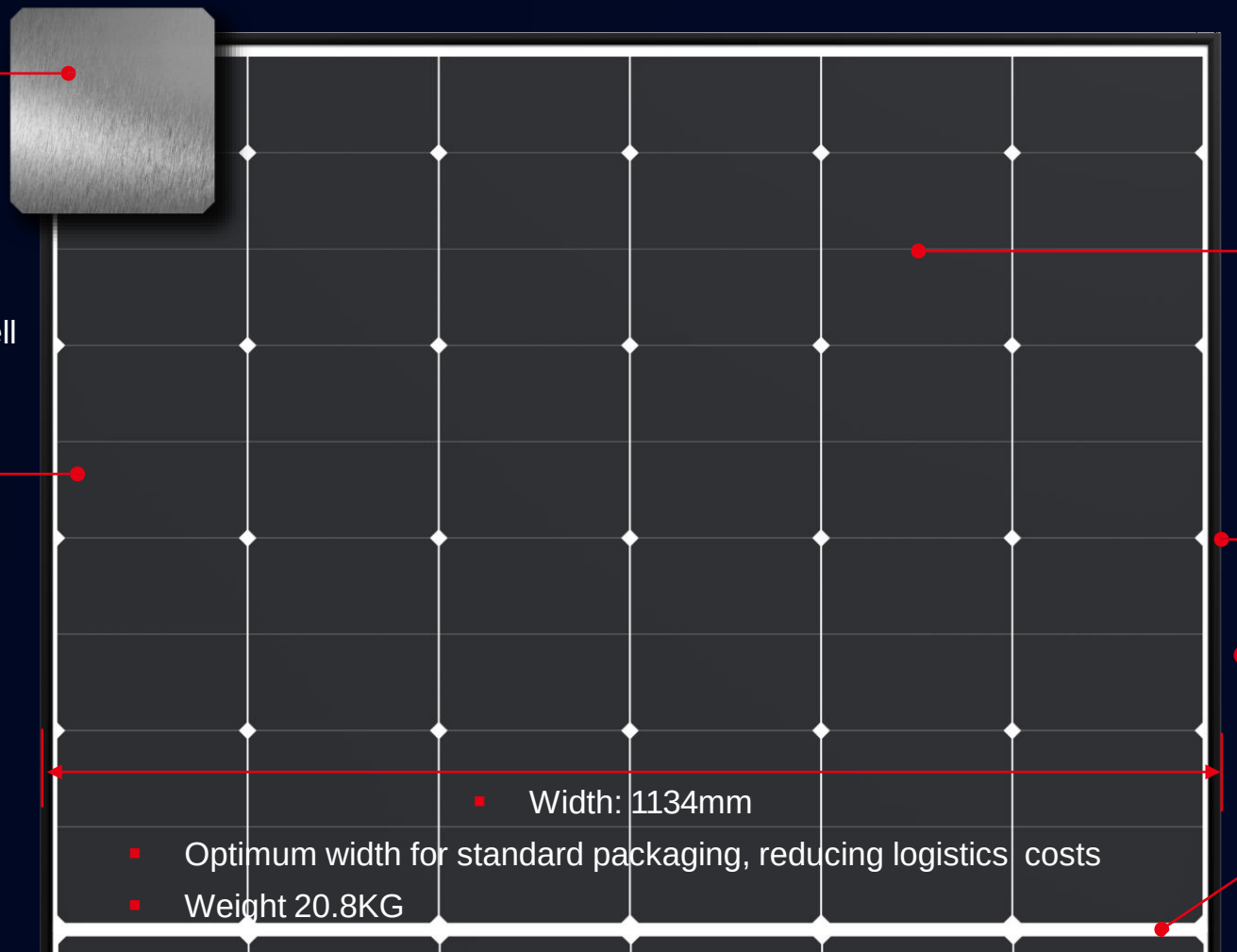
Financial health, asset liability ratio
51.3%

AAA
PVMODULETECH BANKABILITY RATINGS

The only AAA Rating in the new PV
ModuleTech Bankability Rankings

Based on M10 standard size

- M10 mono wafer
  Mainstream choice
  High yield & high quality



- HPBC Ultra high efficiency cell
  Aesthetic appearance
  Excellent performance

- Full back interconnect
  High reliability and stability
- 150 micron wafer

- Reasonable size and weight
  Suitable for single/double handling and installation

- Working current <15A
  Match for inverter, 4mm² cable
  Reasonable operating temperature ensures power generation

- Width: 1134mm
- Optimum width for standard packaging, reducing logistics costs
- Weight 20.8KG

High efficiency HPBC cells promote new technological revolution

Efficiency of conventional HPBC cells exceeds 25%

Efficiency of PRO version HPBC cells break through 25.3%

Light absorption

Multi-layer anti-reflection film and absence of front grid increase light absorption

Photoelectric conversion

Multi layer passivation reduces impurity recombination and improves photoelectric conversion efficiency

Electric transmission

Innovative all-back welding technology stabilizes the current transmission

PRO Hydrogen passivation process repairs micro lattice defects and exceeds the efficiency limit

Multi-angle incidence | Unshielded absorption

No ribbon on the front

Enhanced oblique light absorption

LONGi Hi-MO 6

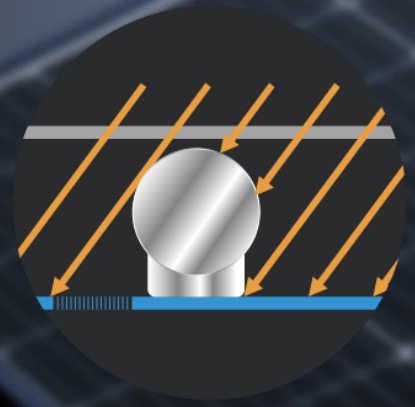
No ribbon shielding

Maximizes light trapping

PERC Module

Cell shielded by ribbons

Creates inactive areas

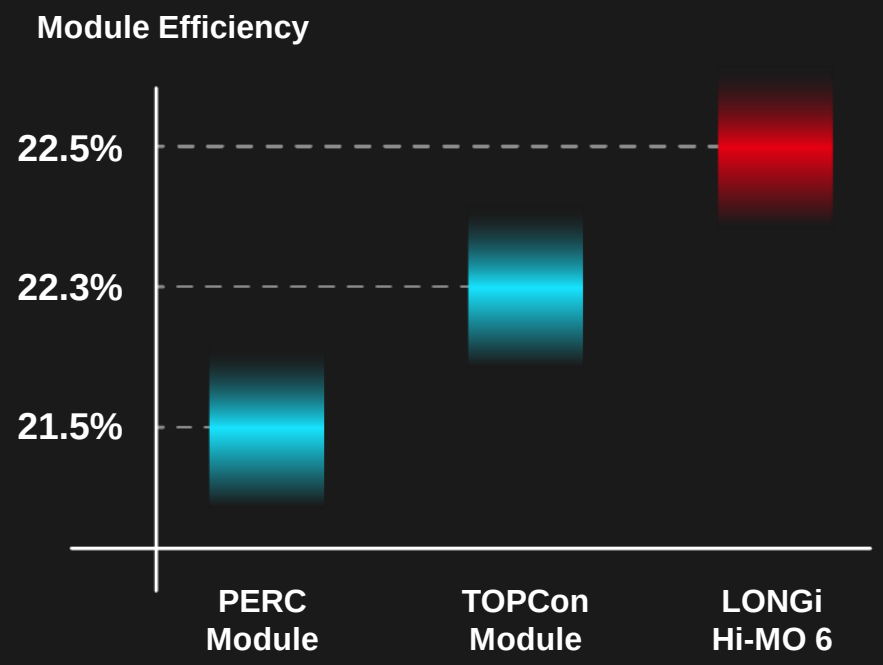


No ribbon shielding on the front, improved light absorption by about 2.27%

*Data based on simulated light incidence simulation from conventional BOM

New levels of module efficiency introduce a breakthrough in installation capacity

Demonstrates significant efficiency improvement when compared to PERC and TOPCon technology



In the same installation conditions:

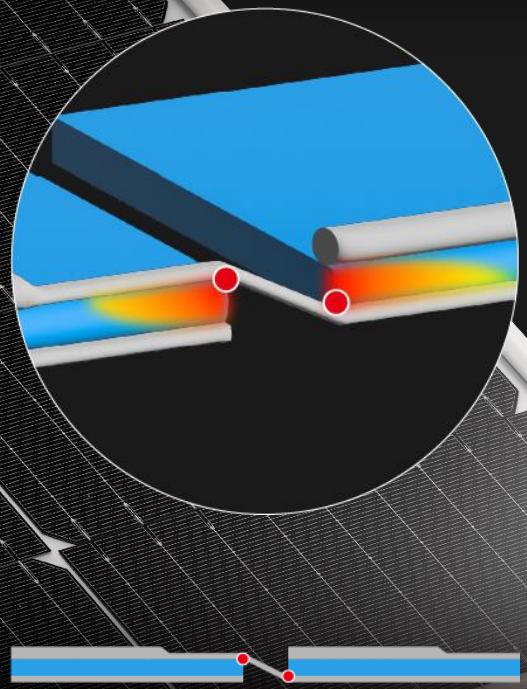
Comparing with PERC module, the installation capacity is increased about **6%**

Comparing with TOPCon module, the installation capacity is increased about **3%**

Innovative welding technology protects HPBC cells

Back contact welding structure

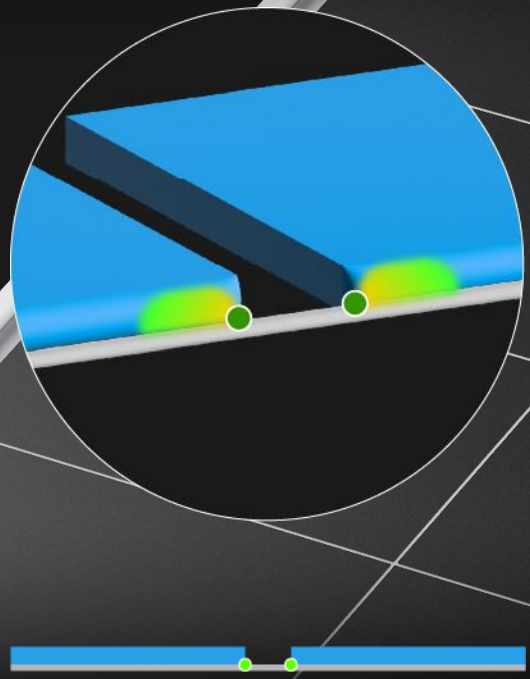
Lower cell stress



Cell

Ribbon

Stress



Cell edge stress 50Mpa

Traditional Z-shaped welding structure

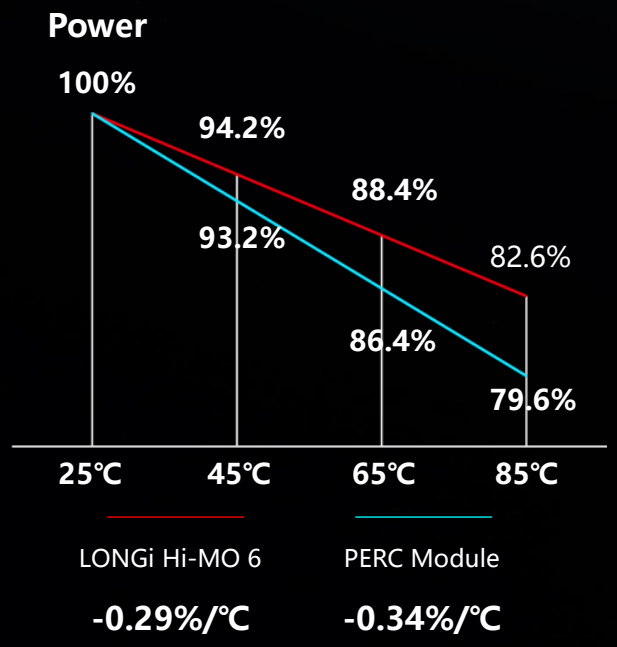
Cell edge stress 26Mpa

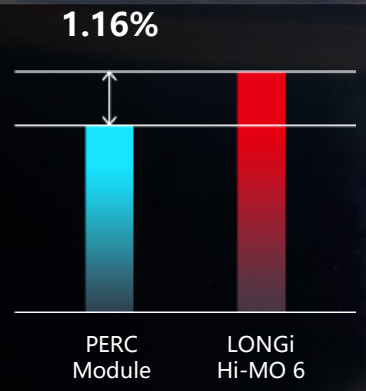
Hi-MO 6 uses back contact one-line welding structure

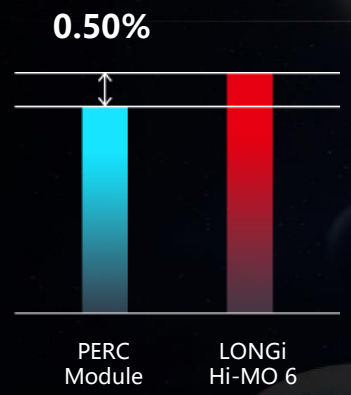
Resilient in high temperatures

Power temperature coefficient as low as -0.29%/℃

Ensure stable power generation in hot conditions







Bangkok, Thailand

- Hot and sunny climate
- Abundant light resources
- Annual average temperature: 24℃~32℃

Project type: commercial building

Module version: 182-72c mono-facial

Plant area: 4650㎡

Installation dip angle: 3°

Stockholm, Sweden

- Moderate climate
- Lighting resources: General
- Annual average temperature: 3℃~10℃

Project type: luxury villa

Module version: 182-54c mono-facial

Plant area: 39㎡

Roof inclination: 30°

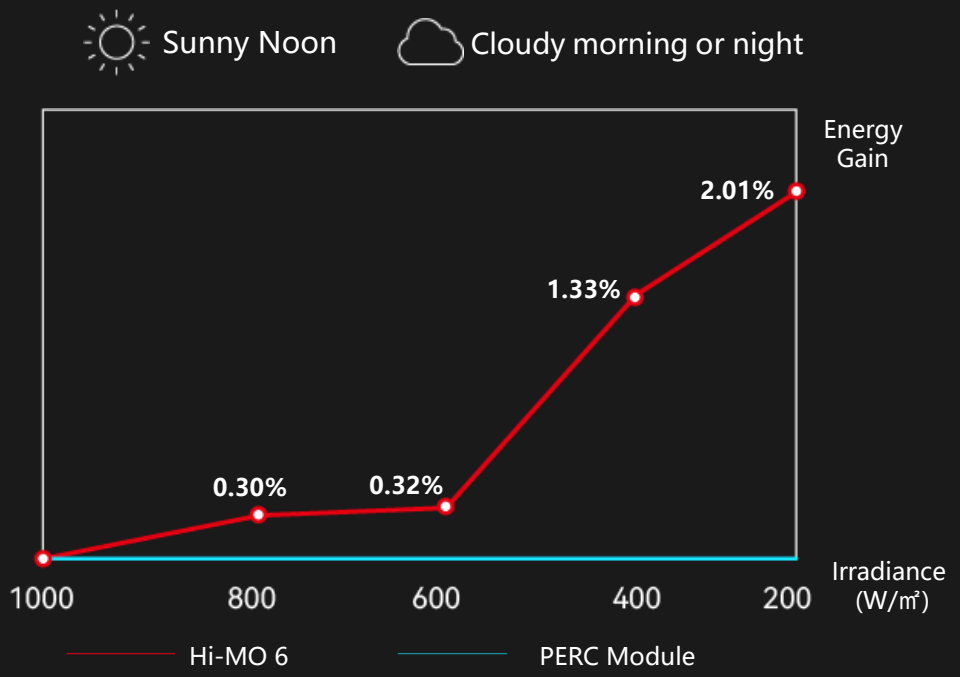
*Power generation data based on PVsyst simulation

Low irradiation environment with high power generation performance

Better low irradiation performance

Longer power generation time

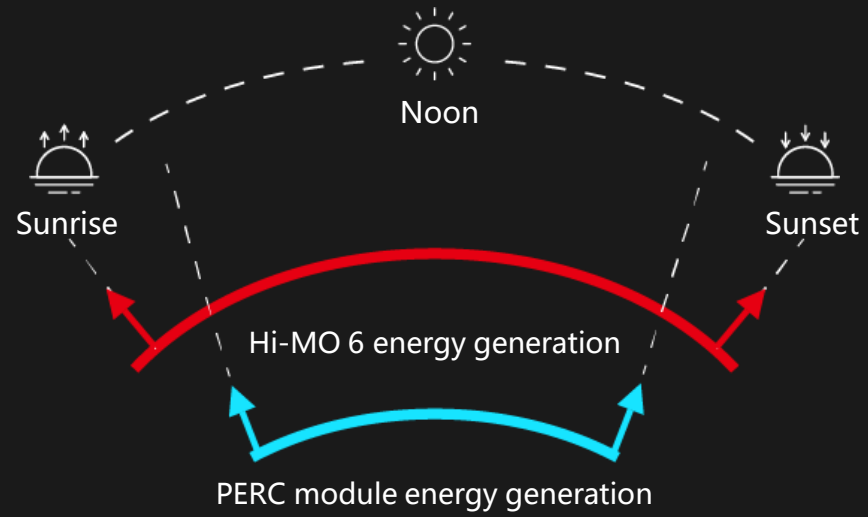
Better low irradiation performance



HPBC capabilities to produce energy under low irradiation are up to +2.01% better compared to standard product

*Gain=HPBC normalization PR/PERC normalization PR-1 *Data from TUV SUD

Longer power generation time



Higher module voltage ensures that the working voltage of the inverter can be reached faster in the morning and at night, effectively extending the power generation time

Lower degradation | Extra long warranty

Lower power degradation ensure stable power generation over 30 years

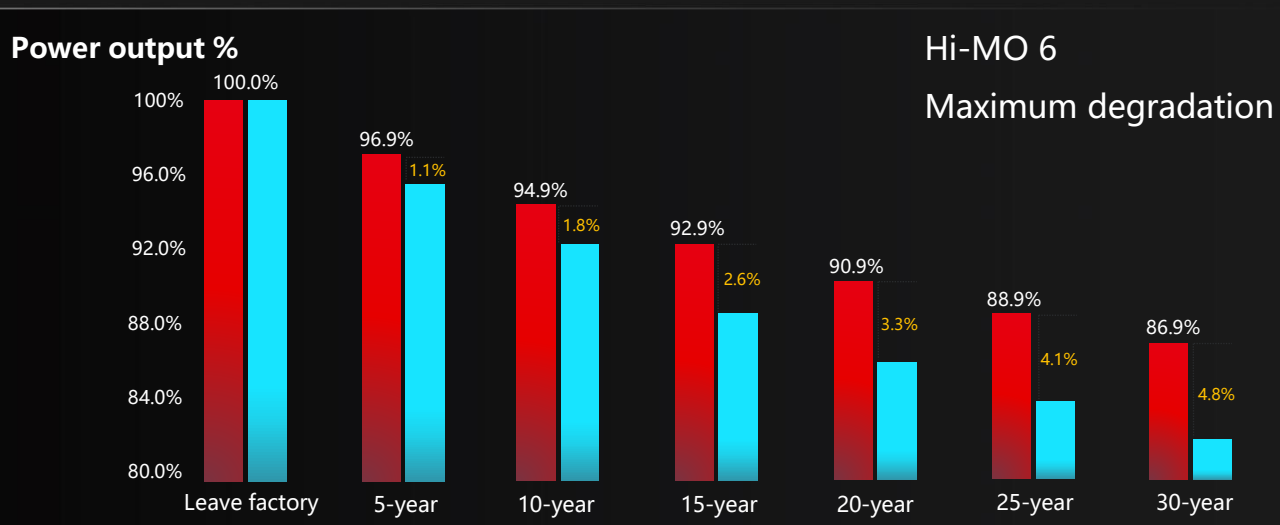
Lower degradation

Max. first year degradation **1.5%**

Max. annual degradation **0.4%**

LONGi Hi-MO 6

PERC Module



Hi-MO 6

Maximum degradation

Protecting your investment by long warranties

Single glass module

25-years warranty

25th-year 88.9%

power output warranty

Talking Points for Longi HIMO6 LR5-54HTH-440M

- Perfect Appearance! The product look is excellent. No Busbars! Stylish and affordable! Charming and simple lines!
- Unique Technology! Longi's new HPBC technology is a step ahead of TOPCON. 22.5% efficiency for the HTH 440W and improving! More light absorption means more photoelectric conversion even in low light conditions.
- Longi HTH 182mm solar cell runs cooler than previous and other 210mm cells. This means a better real output in Aussie conditions of 3.6% over standard PERC at 85 degrees C and 2.2% more power at 65 degrees C.
- Longi Cell quality design gives industry leading PID resistance promising better long term output.
- Longi Brand is the highest achiever in all independent international testing of random modules. (PLEV, RETC)
- All HPH and HTH module passes testing to hail size of 25mm at 82kph. Uses tough 3.2mm glass, not 1.6mm.
- 25 Year Product Warranty.