「Hi-MO5」Product Introduction

LONGi

Hi-MO5 Series

PVTECH TECHTalk Product Series

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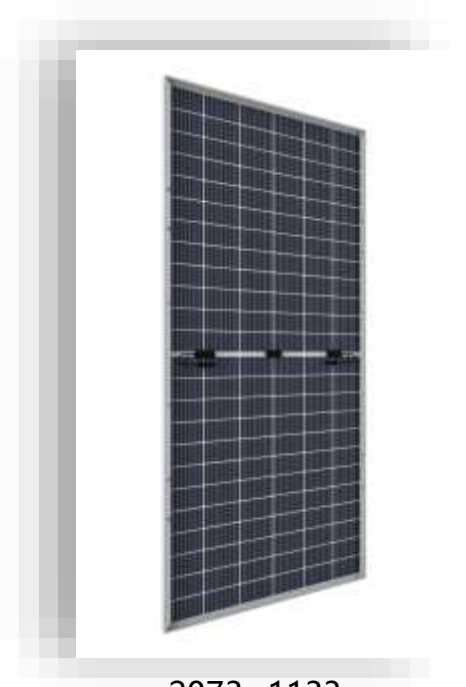
Propelling the transformation

Hi-MO5
66 cells

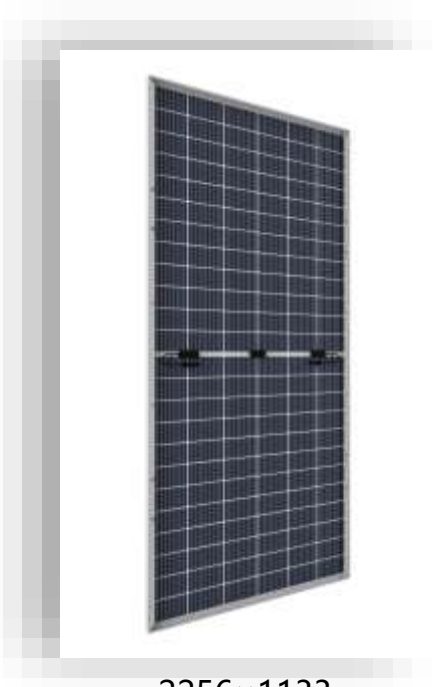
495W



2073×1133

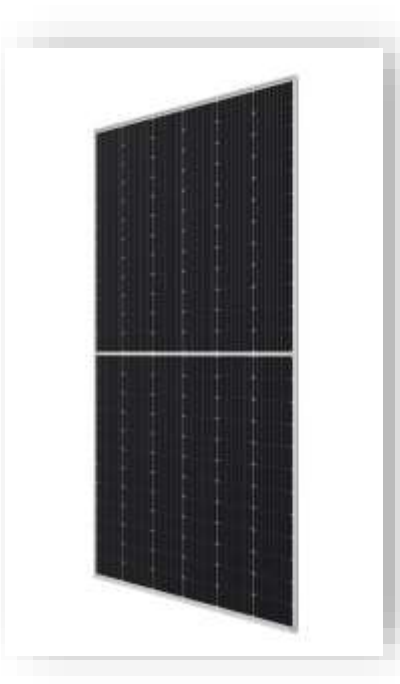
Hi-MO5
72 cells

540W



2256×1133

Hi-MO5
Bifacial



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Hi-MO5

Outstanding Design

Reliable Real-World Applications

Propelling the transformation

Technology Integration

- M10 Gallium doped mono wafer
- P-type PERC cell
- 9BB Half-cut technology
- Normal 6 rows 72 C / 66 C module design
- Power temperature coefficient -0.35%/°C
- 21.1% module efficiency

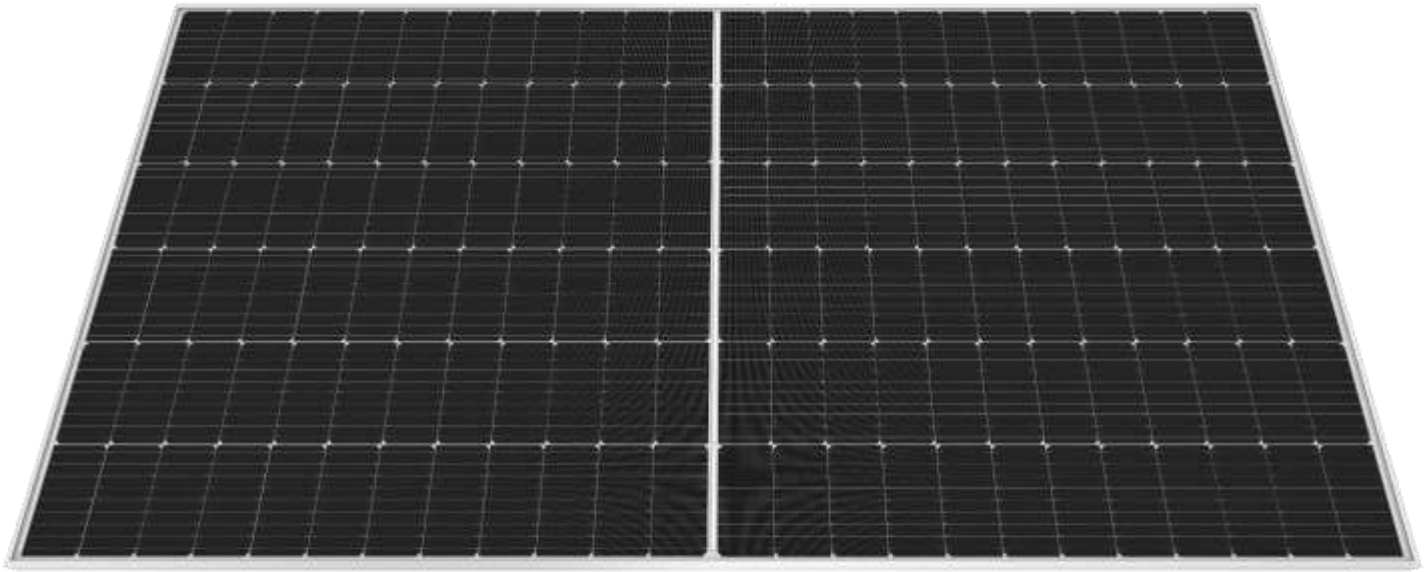
72 cells

Pmp 540W

Voc 49.5V

Weight 32.3 Kg

Imp 13.0A



66 cells

Pmp 495W

Voc 45.4V

Weight 30.1 Kg

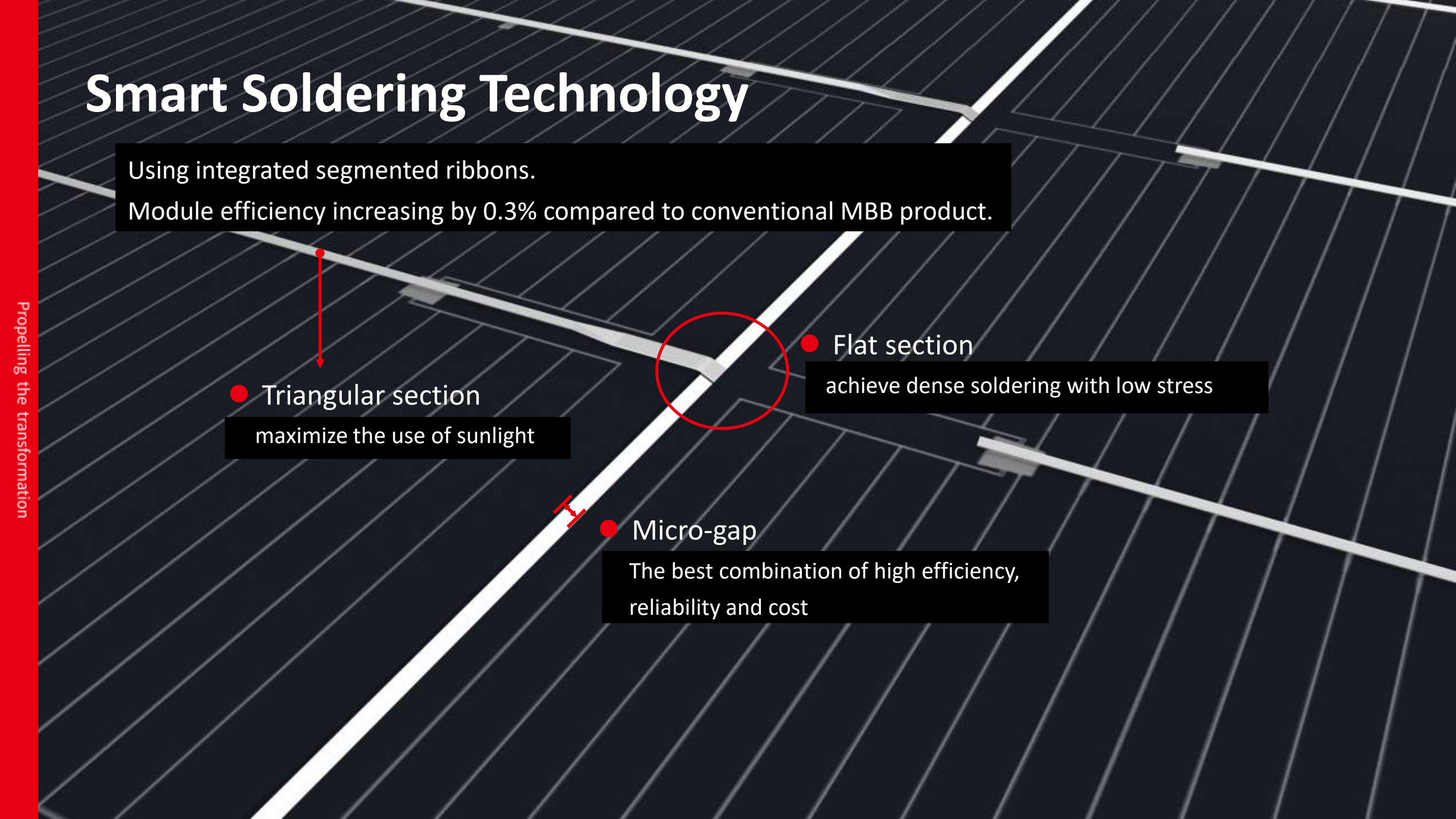
Imp 12.95A

*M10 Mono wafer: 182mm side length

Smart Soldering Technology

Using integrated segmented ribbons.

Module efficiency increasing by 0.3% compared to conventional MBB product.



- Triangular section

  maximize the use of sunlight

- Flat section

  achieve dense soldering with low stress

- Micro-gap

  The best combination of high efficiency, reliability and cost

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Hi-MO5

The strongest bifacial in the market

- LONGi's bifacial modules have shipped over 5GW worldwide.
- Verified by pilot projects and large-scale power plants.

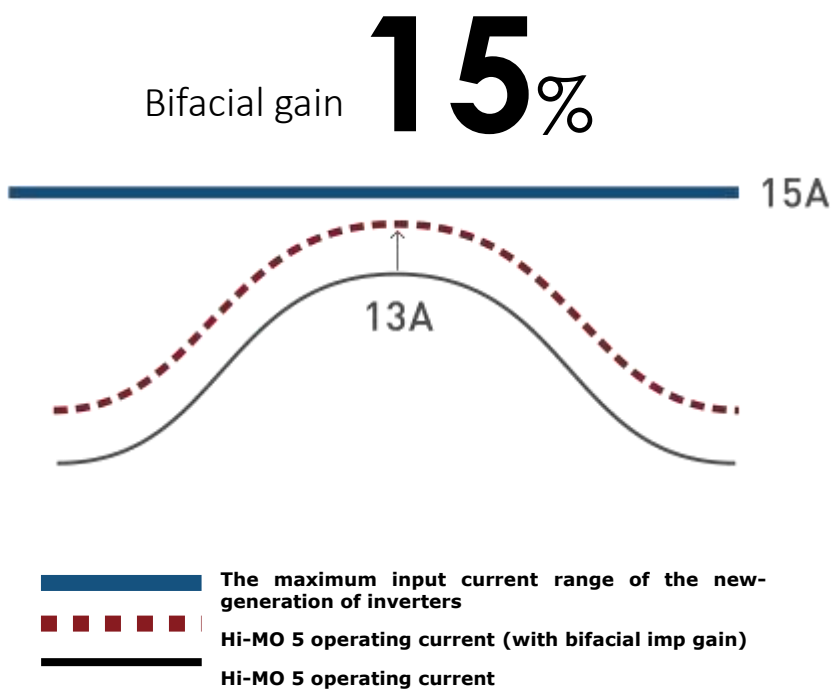
Hi-MO 5

Optimized module size

Perfectly matched with tracking systems

Optimized electrical parameters

Fully compatible with inverters



Albedo and expected Yield Gain

Surface	Albedo	Expected yield gain
Water	5-8%	4-6%
Bare soil	10-20%	6-8%
Green grassland, gravel	15-25%	7-9%
Concrete ground / white gravel	25-35%	8-10%
Dry / dune sand	35-45%	10-15%
Reflective roof coatings	80-90%	23-25%
Fresh snow	80-95%	25-30%

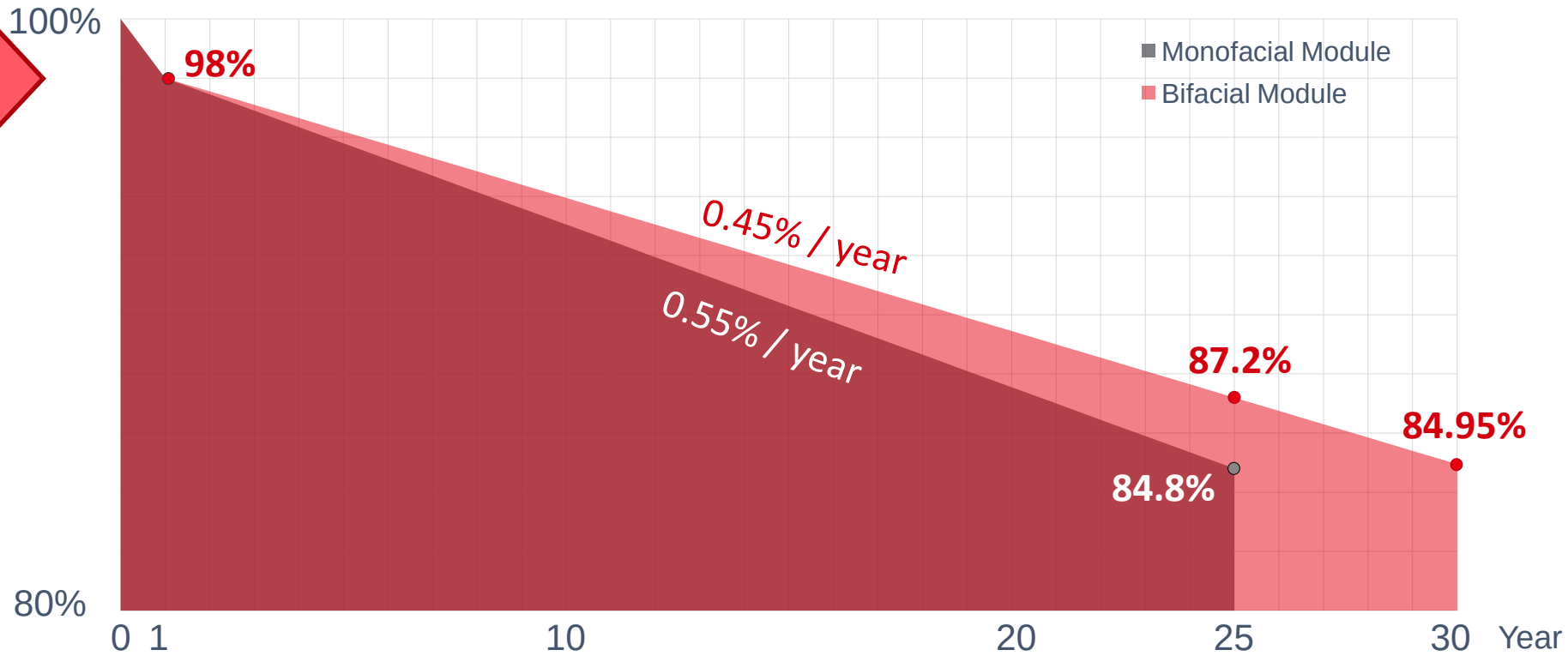
ALBEDO and expected yield gain table.
Source: TUV Rheinland Group

Leading Power Warranty

1st year degradation≤ 2%

Linear annual degradation of bifacial module ≤ 0.45%

BEST IN CLASS
First year degradation
≤ 2%



LID (Light Induced Degradation) refers to the initial degradation that all Crystalline PV modules suffer when first contact with light, this phenomenon is intrinsic to the photoelectric effect.

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The Optimal Module Size
Determines the Size of M10 Wafer

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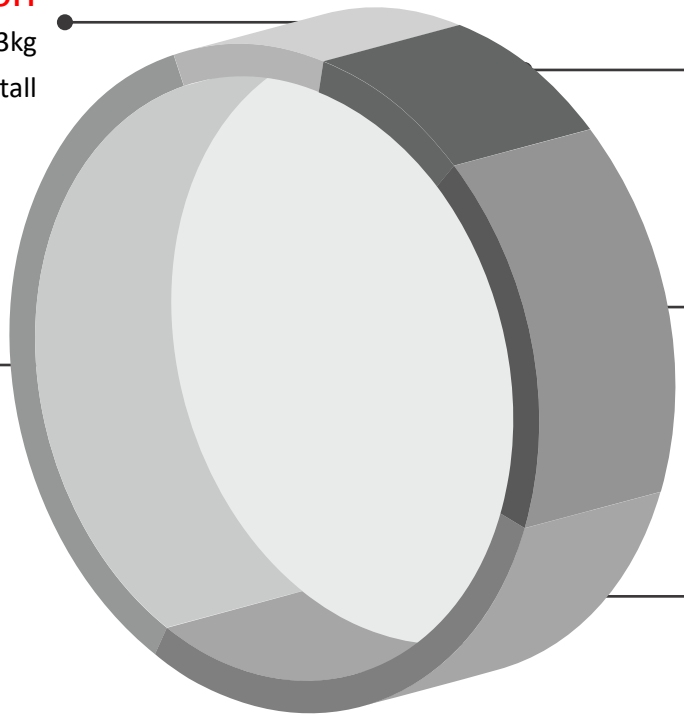
Product Benefit Analysis

- M10 Wafers



5. Module installation

2.56m2, 32.3kg

No difficulty for two people to install

4. Module transportation

Fit for 40-foot container

Low impact on transportation cost

3. System compatibility

15A inverter easily realized

72Cell module compatible with tracker

1. Production feasibility & cost

High cell manufacturing yield

Supported by the new glass production capacity

2. Reliability

Lower LID in the market

Low linear degradation

Mechanical Load

Performance warranty

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Hi-MO5

Lowest LCOE Solutions
for Ultra-large Power Plants

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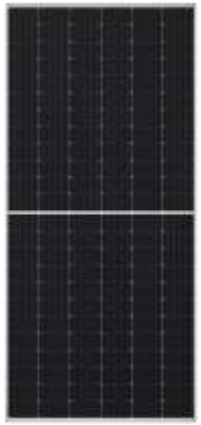
BOS Saving

Hi-MO5 → 158.75mm, 72 Cell

Hi-MO5 can save BOS cost more than 1.2$/W

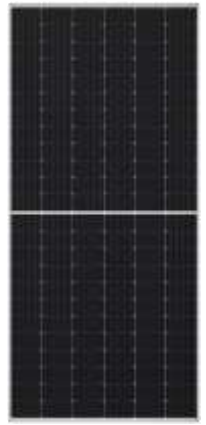
Jiuquan, China; 4L fix mounts



540W

	Cost saving ratio	
	Mounts and foundation	-8.1%
	Combiner box	-26.9%
	Cables	-8.2%
	Manual	-20.6%
	Land	-4.6%

410W

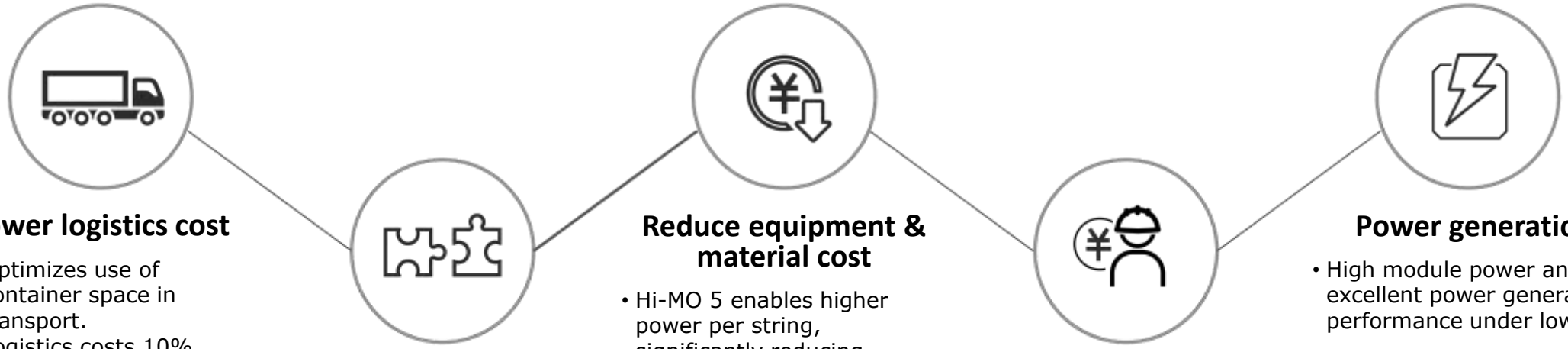


BOS Saving

Module Type	G1-72C	163.75-78C	166-72C	210-50C	Hi-MO5 72C	Hi-MO5 66C
Power（W）	**410**	**465**	**445**	**495**	**540**	**495**
Module efficiency（%）	**20.0**	**20.4**	**20.5**	**20.5**	**21.1**	**21.1**
Typical size（mm）	2037*1005	2205*1032	2094*1038	2187*1102	2256*1133	2073*1133
Voc（V）	50.1	52.2	49.4	51.3	49.4	45.4
Typical string length	28	26	28	27	28	30
Imp（A）	9.64	10.55	10.80	11.49	13	12.95
BOS cost ($/W)	Baseline	-0.63	-0.66	-0.97	-1.34	-1.21

Hi-MO 5

Lowest LCOE solutions for ultra-large power plants



Lower logistics cost

- Optimizes use of container space in transport.
- Logistics costs 10% lower than mainstream products.

Improved system capacity ratio

- Matched with string inverters, cost per watt on the AC side in reduced.

Reduce equipment & material cost

- Hi-MO 5 enables higher power per string, significantly reducing racking, pile foundation, cable, combiner box and land cost.

Save labor cost

- Reduce installation costs for modules, cables, etc.

Power generation

- High module power and excellent power generation performance under low light.
- Low power temperature coefficient.
- Reliable bifacial module power generation gain.
- Industry-leading power warranty.

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