

LONGi DG Product Roadmap

Continuous large-scale mass production of high-efficiency cell to create high-tech, high-performance, high-quality products.

From the innovation and application of monocrystalline, PERC, bifacial, and HPBC technology, LONGi continues to promote new products, and each product is the benchmark for the entire industry.

Hi-MO 5



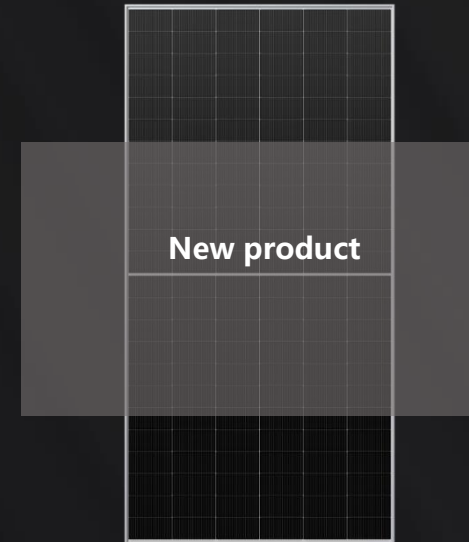
- Mature product series
- Adopted PERC technology
- Suitable for full scenario applications

Hi-MO 6



- Aesthetic and efficiency module
- Adopted HPBC technology
- Suitable for general DG application scenarios

Hi-MO 7



- Upgraded bifacial module
- Adopted HPDC technology
- Suitable for the refined needs market

Mainstream

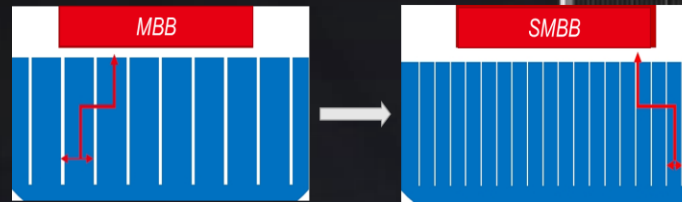
Coming soon

Hi-MO 7

More Gain, More Focus

Innovative high-tech

- ◆ Advanced HPDC cell technology
- ◆ Improved SMBB welding structure



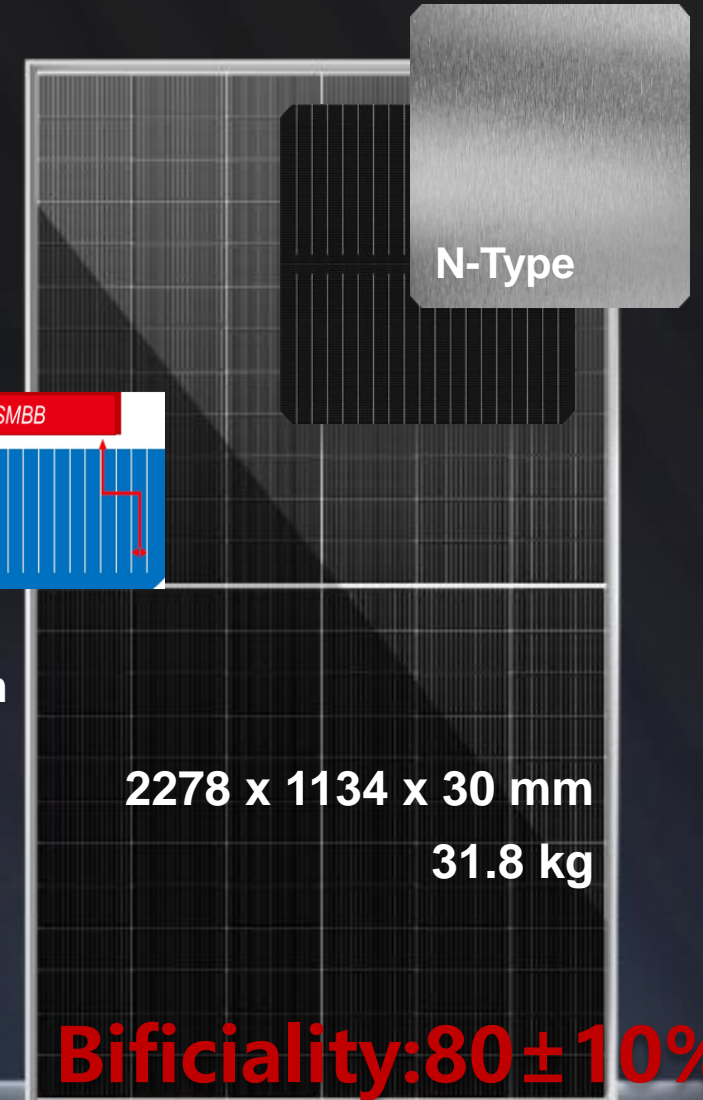
Lead with high efficiency

- ◆ Upgraded bifacial performance
- ◆ Excellent comprehensive generation performance



Robust and reliable design

- ◆ 2+2mm dual glass
- ◆ Quality assurance



Product Warranty: 12 Y

Linear Power Warranty: 30 Y

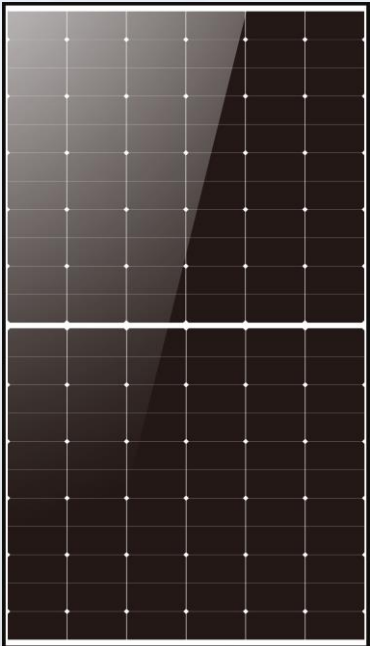
Hi-MO 6 66HTH

• High Mechanical Loading market

• Time to market 2023.08

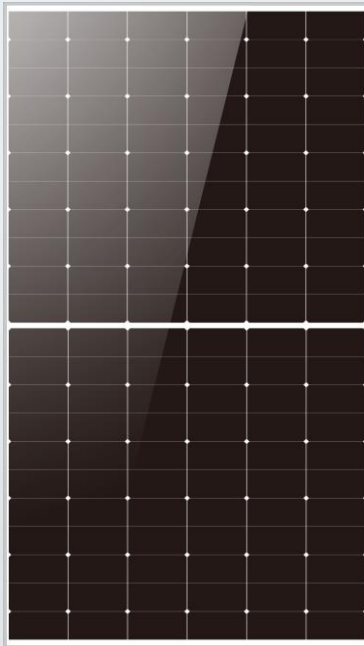
LR5-66HTH

2094*1134*35mm



Black Frame

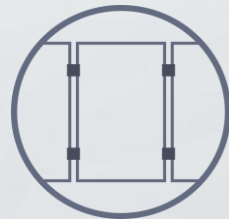
2094*1134*35mm



Silver Frame

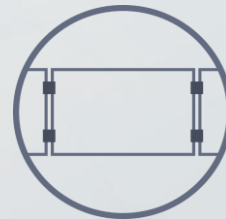
Key features (M10-66)

Dimension	2094*1134*35mm
Weight	~26kg
Power class	530 ± 5W
Efficiency	22.3% ± 2%



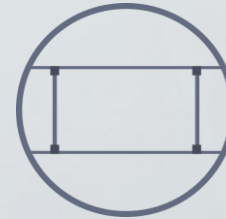
Long side general test standard

5400/2400 Pa



Short side general test standard

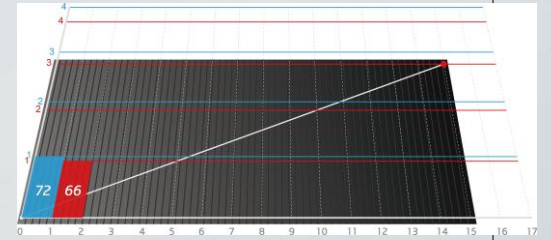
1800/1800 Pa



Four corners general test standard

1600/1600 Pa

Application Scenarios



More flexible layout



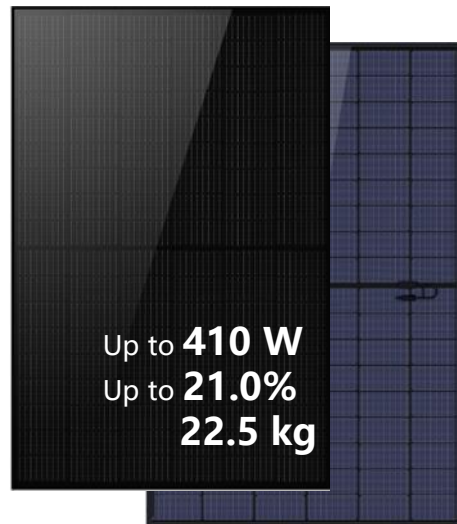
Short side ±1800pa

Hi-MO 5 54 series - excellent choice for residential applications

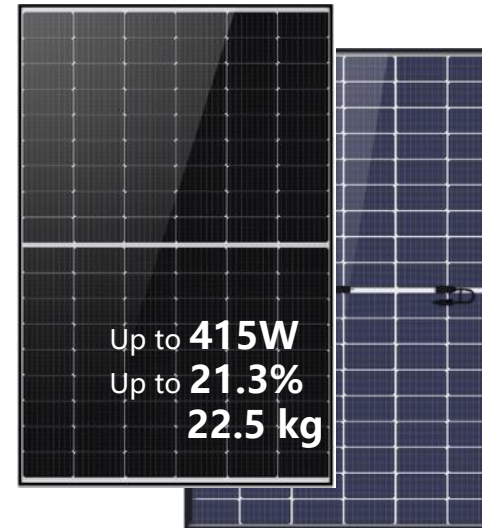
Hi-MO 5 **Bifacial Series**

Double Glass Module
 "outside hard & inside smart"

All Black - HABB



Standard - HABD



15 15-year Warranty for Materials and Processing

30 30-year Warranty for Extra Linear Power Output

Ga Gallium-doped Silicon Wafer

M10 M10 Silicon Wafer Standard

PERC Mono PERC

+ Smart Soldering

Anti-Soiling module

HiMO 6
LR5-72HTH

Anti-Soiling module

Dimension	2281*1134*30mm
Mounting	Long side mounting
Design	Anti-Soiling Frame
Mechanical Loading	Long side :+5400/-2400Pa





Time to market : **2023.09 (China)**

Note:

- **Anti-Soiling** can be adapted to different module version and technology.
- Short side mounting is not permitted.

Anti-Soiling module

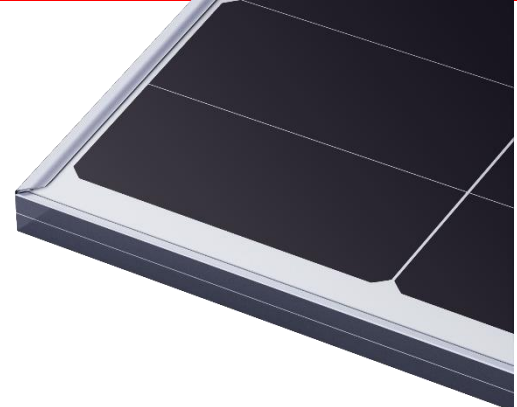
Harmful effect of Dust Accumulation

-  Loss of power
-  High O&M costs
-  Causes hot spot problems
-  Reduce modules reliability

Structural optimization



Standard Frame



Anti-Soiling Frame



Dust is deposited at the bottom of the standard module



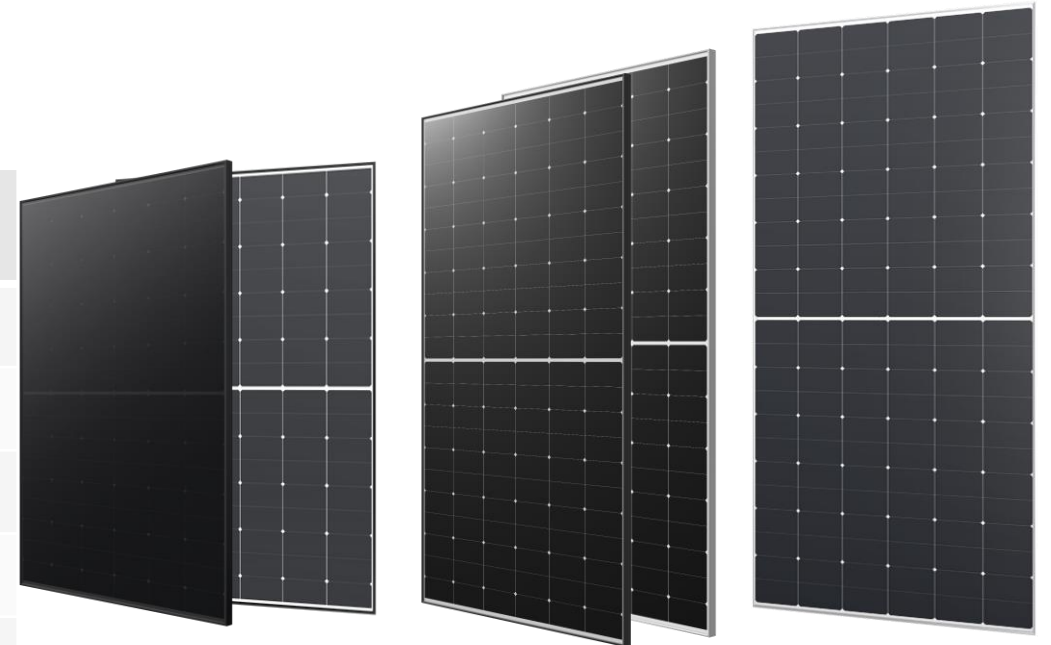
Standard module

Anti-Soiling module

Hi-MO 6 Current Standard Products

- Capacity: **Global 30GW (Y2024)**
- Core advantages: **High aesthetic, efficiency, power and reliability**

Module Type	Main Power Bin (Wp)	Highest Power Bin(Wp)	Frame Height (mm)	Weight (Kg)	Frame Color	Product Warranty	Linear Power Warranty
LR5-54HTH Explorer	435	440	30	20.8	Black	15	25
LR5-54HTH Scientist	445	455	30	20.8	Black	25	25
LR5-54HTB Explore	430	435	30	20.8	Black	15	25
LR5-54HTB Scientist	440	450	30	20.8	Black	25	25
LR5-72HTH Explorer	575	585	35	27.5	White	15	25
LR5-72HTH Scientist	590	600	35	27.5	White	15	25
LR5-66HTH Explorer	530	540	35	26.0	Black/White	15	25


Hi-MO 6m (54c)

1722*1134mm



Residential

C&I

Hi-MO 6m (66c)

2094*1134mm



Residential

C&I

Hi-MO 6m (72c)

2278*1134mm



C&I

Ground

Change

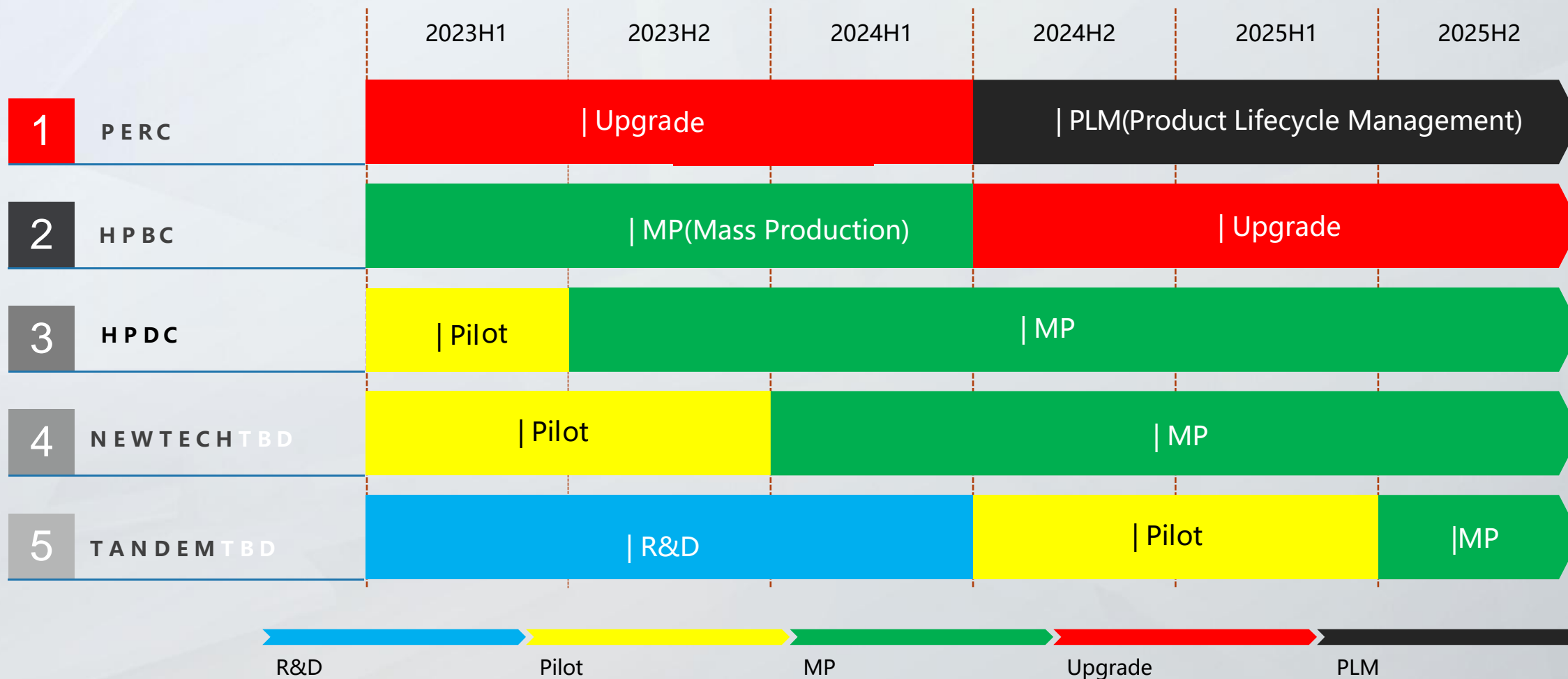
- LR5-66HTH Explorer has become Standard Product from 01.09.2023

Product Roadmap – Non-standard

Hi-MO6 Product	LR5-54HTD (white glazing)	LR5-54HTD (without glazing /transparent)	LR5-54HTBB (Full-black)	LR5-72HTH (Anti-Soiling)
Power class	425-440W	420-430W	420-435W	560~580W
Eff	21.8-22.5%	21.5-22.0%	21.5-22.3%	21.6-22.4%
Status	R&D Non-standard	R&D Non-standard	R&D Non-standard	Mass Production in China Market Non-standard
Order time	2024.01	2024.01	2024.01	-

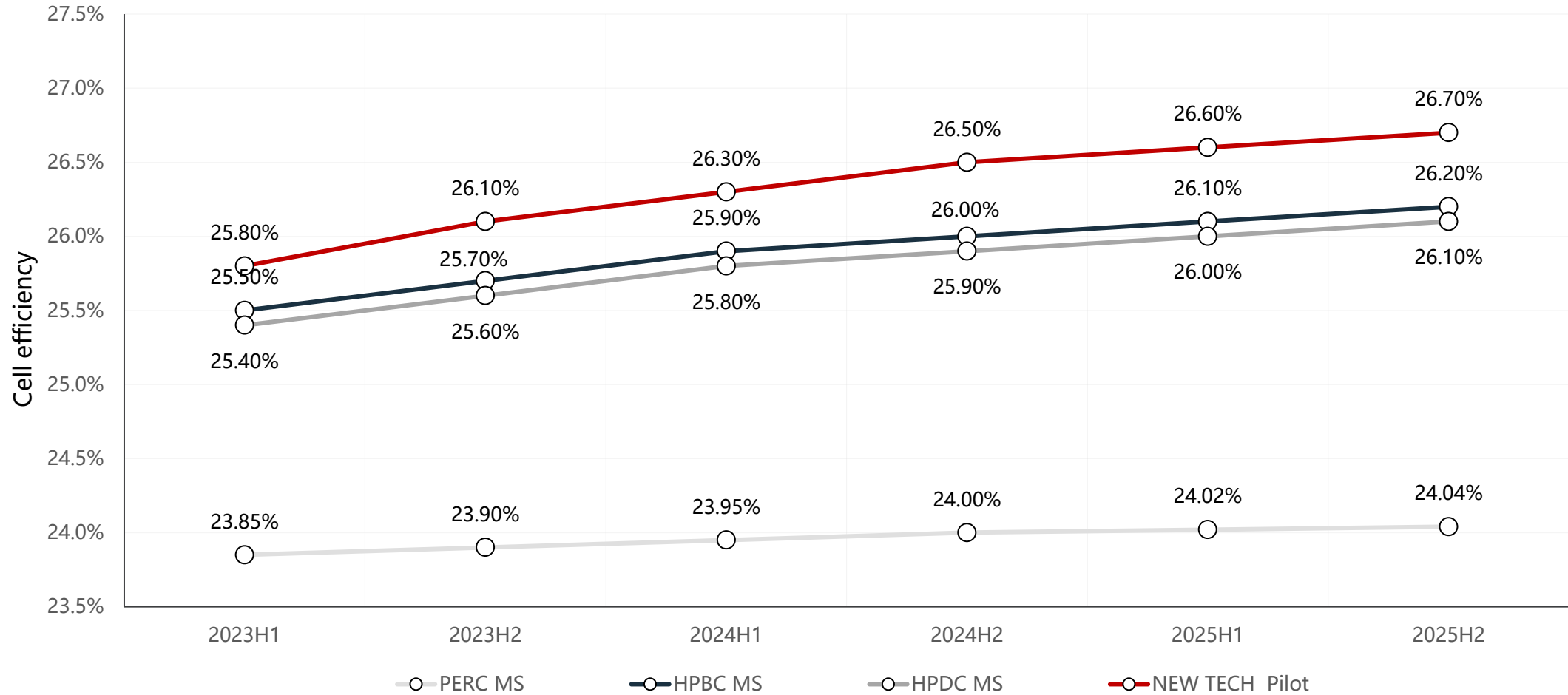
Hi-MO5 Product	LR5-54HABD	LR5-54HABB	Hi-MO7 Product	LR5-72HGD
Power class	405-415W	400-410W	Power class	565-575W
Eff	20.7-21.3%	20.5-21.0%	Eff	21.9-22.3%
Status	Mass Production Non-standard	Mass Production Non-standard	Status	Non-standard
Order time	2023.06	2023.06	Order time	2023.11(DG)

Cell Technology Development (2023-2025)

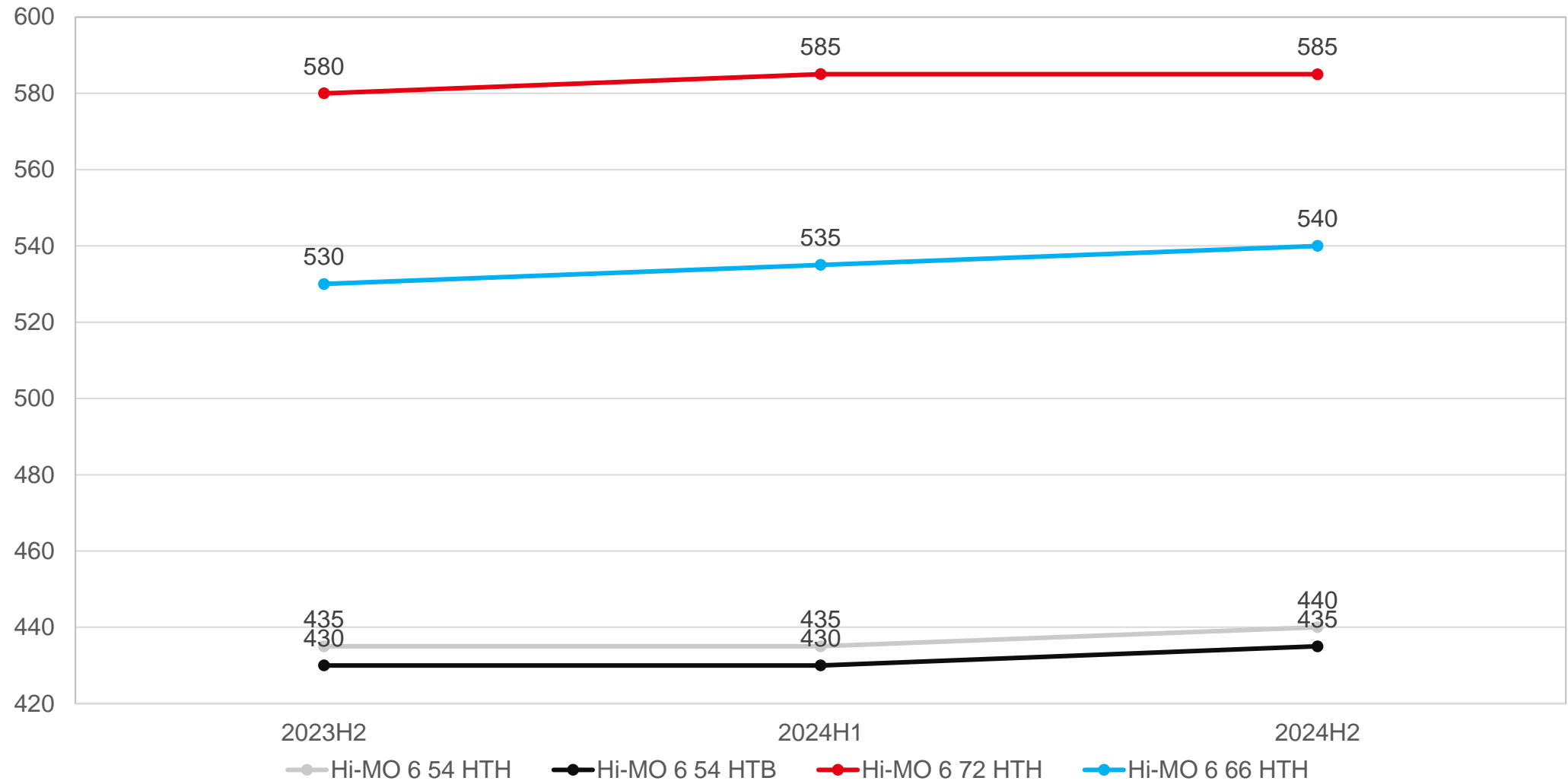


产品路线

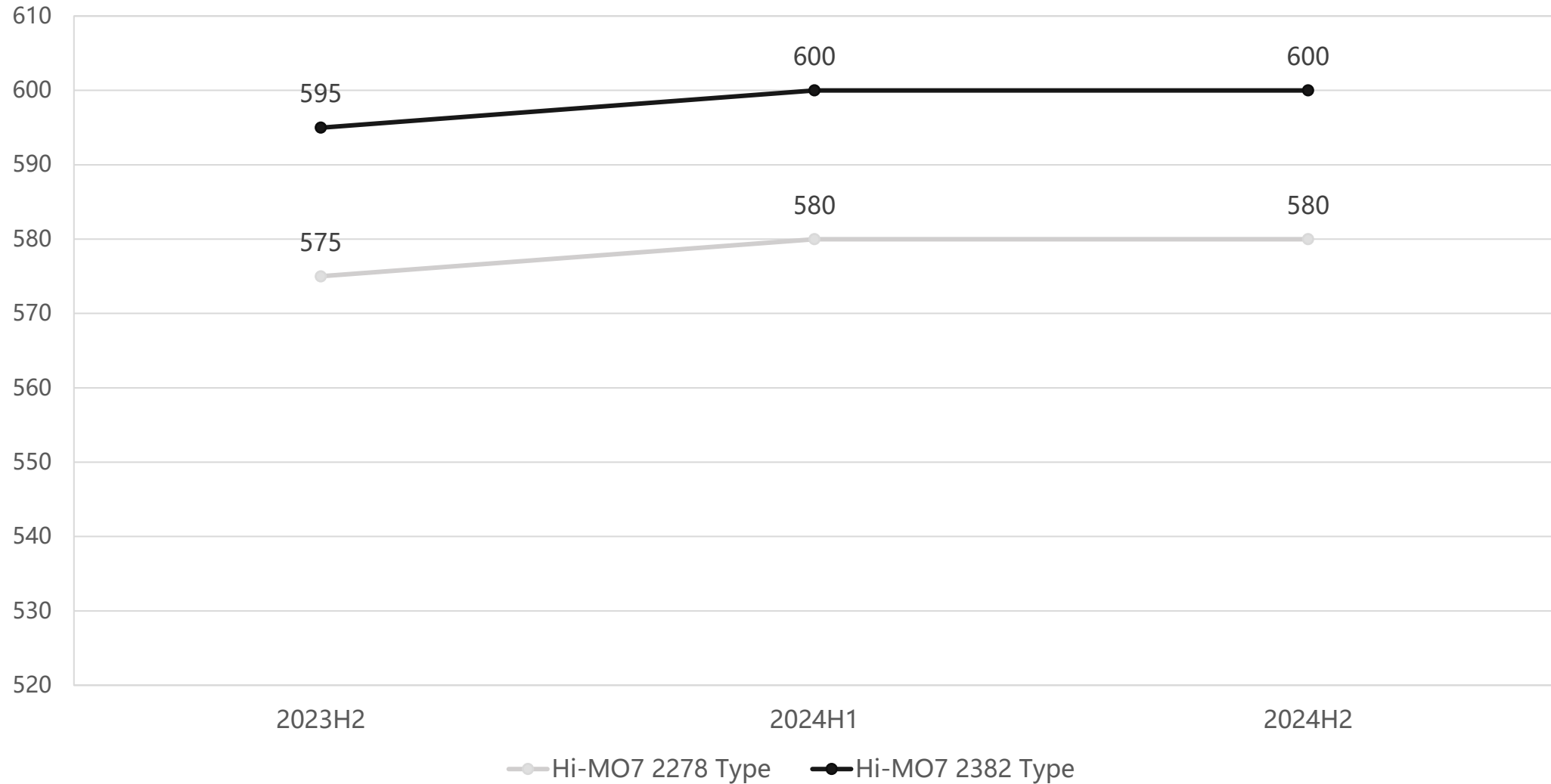
2023-2025 Cell Roadmap



2023-2024 Power Roadmap (Hi-MO6 mainstream power)



2023-2024 Power Roadmap (Hi-MO7 mainstream power)





LONGi