



Empower the Green Life

SolarSpace Technology Co., Ltd

www.solarspace.com

About SolarSpace



SOLARSPACE

SolarSpace, established in 2011, is a company mainly engaged in the R&D, production, and sales of high-efficiency solar cells, while also investing in some module production capacity to optimize the industrial chain layout. According to PV InfoLink, the company ranked TOP1 globally in cell shipments in H1 2024.

Adhering to the innovation and development route of technology R&D, we are committed to promoting technological upgrading and product improvement, providing efficient and reliable PV products for global customers, and helping achieve the goal of green energy development and carbon neutrality.

60GW+
Annual Capacity
of Cells

~10GW
Annual Capacity of
Solar Modules

2011
Time of
Establishment

TOP1
2024 H1 Global
Solar Cell Supplier

TIER1
BloombergNEF

800+
Cooperative Customers

81GW+
Total Shipments

114
Global New Energy
Enterprise



Development History

2011
SolarSpace was established
2016
The capacity of cells in
Peixian Base exceeded 1GW

Founded as a
Professional Solar Cell
Manufacturer
STAGE 1

2017
Xuzhou base established
2019
The capacity of high-
efficiency cells exceeded
1GW

Focus on Mono PERC
Cell Manufacture

STAGE 2

2020
Suqian base established
The capacity of cells exceeded
10GW

New Capacity for
Large-size Solar Cells

STAGE 3

2021
Solar module production
line established

2022
Chuzhou and Cambodia
bases established

Started the PV
Module Business

STAGE 4

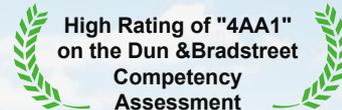
2023
Laos base established
Ranked as BNEF Tier1 Global PV Module
Manufacturer for the first time

2024
Ranked TOP1 in 2024 H1 according to PV
InfoLink

Capacity Expansion of Solar
Cell and Module

STAGE 5

Brand Honors



Global Layout

6 production bases , 3 sales & marketing center, 2 overseas warehouse , 800+ cooperative customers*

***Business covers**

- China, Germany,
- USA, India,
- Canada, Mexico,
- Italy, France,
- UK, Thailand,
- Korea, Vietnam, Jordan,
- Turkey,
- Tunisia, Armenia
- and other countries



R&D Strengths

Continuously invest in research and technological development and innovation to enhance competitiveness.

Research Team

419 researchers

71 Masters and Doctors

R&D Expenses

1400m² lab area

30 lab equipments

Innovative Management

437 patents

5 high-tech enterprises

56 independent R&D projects

5 research projects and awards

Provincial Technology Center

Data as of Dec 2024





Company Strengths

Quality Management

Design Quality Assurance

We adhere to the IEC/UL/international standards for differentiated markets, embed reliability genes in the R&D and design of new products, tighten the evaluation standards for reliability performance, and implement strict change management throughout the entire process from product development to mass production.

Material Quality Consistency Assurance

We implement supplier source management, strictly control the technical inspection standards for raw materials, use sorting equipment to improve control efficiency, and establish a feedback and traceability mechanism for non-compliant raw materials.

Customer Service

One-to-One Customer Service, 7×24h Service Response, 100% Customer Satisfaction

Reliability Assurance

- High-frequency Monitoring Plan Covering Every BOM
- Internal Stricter Reliability Assessment
- Authoritative Third-Party Discussions and Stricter Evaluation

Strict Control of Production Process

High-standard Process Capability, Stringent Out-going Quality Control, Regular Monitoring of Production Lines

Endorsed by World-class Laboratories

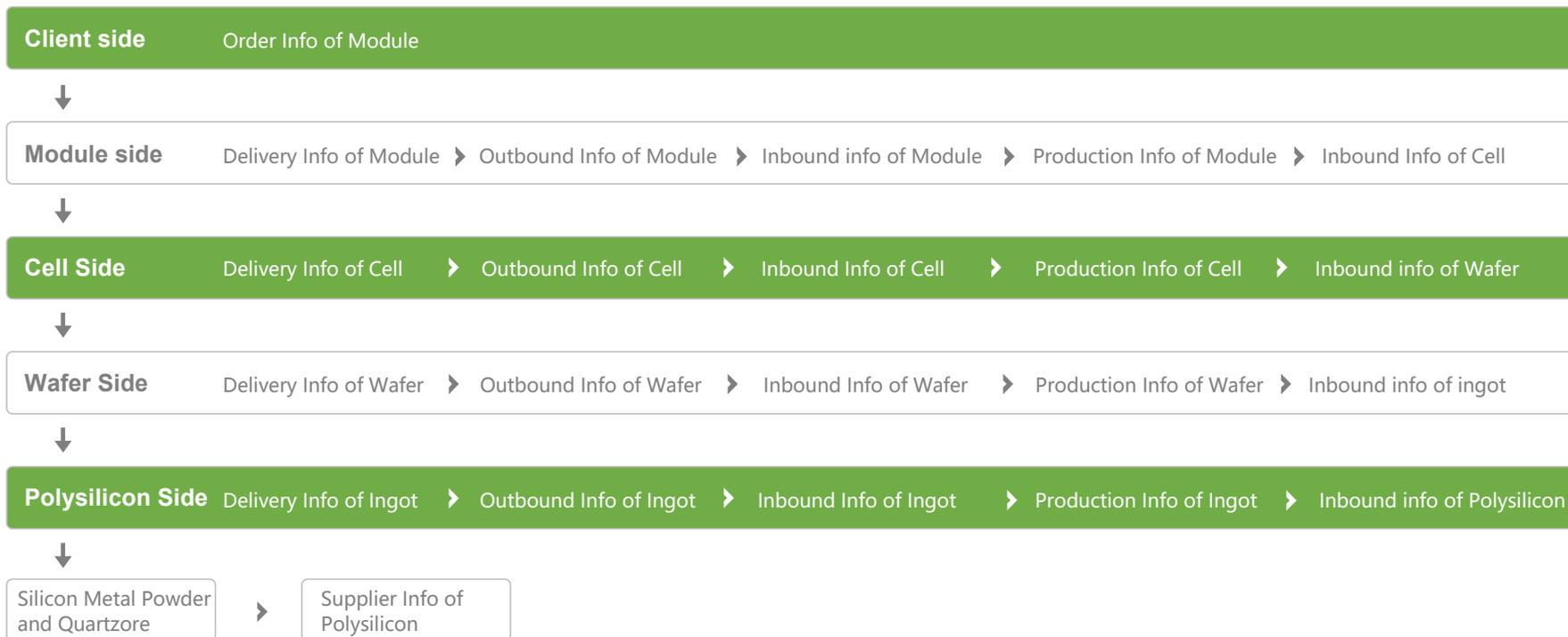
TÜV NORD, RETC, PVEL PI, INTERTEK, IG and so on.



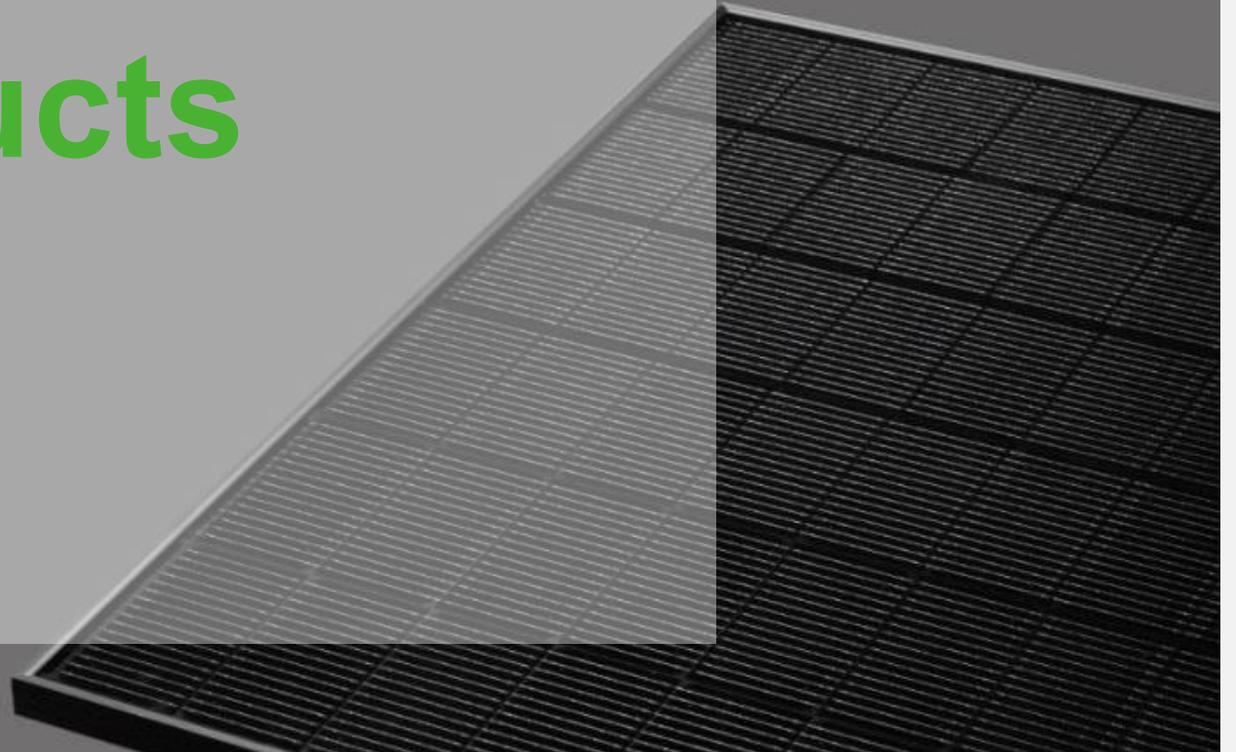
We establish a quality control system for the whole life cycle of products to comprehensively enhance the customer experience.

Traceability System

Digital traceability system ensures the standardization of product production in the whole process.



Products

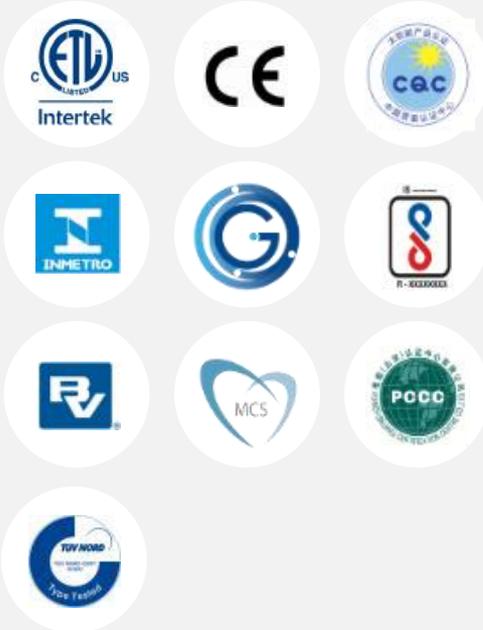


Superior Performance

RETc Highest Achiever



Authoritative Product Certification



Third-party Factory Audit



PVEL 2024 Top Performers



PV Magazine Test Very Good



Capacity Planning

Cell capacity planning
in 2025

60GW+

Module capacity planning
in 2025

~10GW

TOP1

Tier1

Polysilicon

Wafer

Cell

Module

Tongshan Base

Suqian Base

Chuzhou Base

Laos Base

**Peixian Base
Green Factory**

Suqian Base

Laos Base

High-Efficiency Cell

Higher cell conversion efficiency

Better weak-light performance

Better temperature coefficient

Lower cell degradation

Better mechanical properties

M10 N-Type
Bifacial Cell



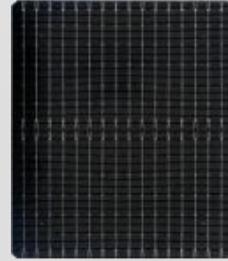
26.2%+

G12 N-Type
Bifacial Cell



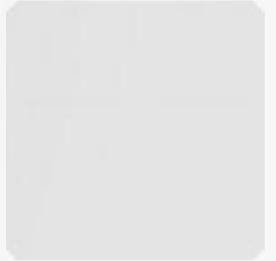
26.5%+

G12R N-Type
Bifacial Cell



26.5%+

New Product
coming soon



High-Efficiency Module

All-round Excellence, Your Premier Quality Choice



Multi-power module products



Extra-long quality assurance



MBB design



Non-destructive cutting



High-density encapsulation



More energy in low light conditions



Excellent PID resistance



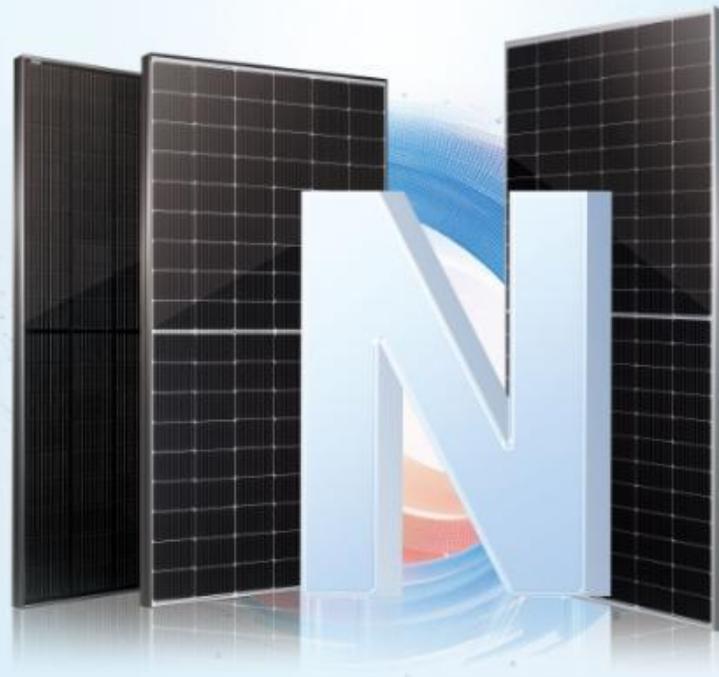
Better bifacial power generation performance



Ultra-low LID/LeTID attenuation



Lower system LCOE

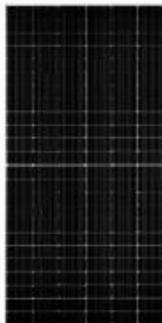


Superior Performance

- Got a number of reliability certifications from various authoritative third-party organizations (e.g. ETL and TÜV), such as **UL61730, IEC61215&61730, salt mist corrosion testing, ammonia corrosion testing, dust and sand testing, etc.**
- The module's power generation performance, safety performance, and reliability in multiple application scenarios have been fully acknowledged.

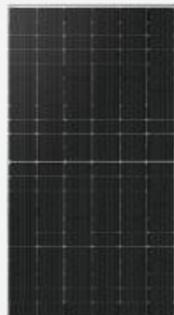


High-Efficiency Module



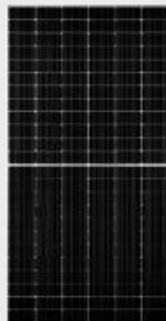
SSA-66HD 610-630N

Max. Power Output: **630W**
Max. Module Efficiency: **23.32%**



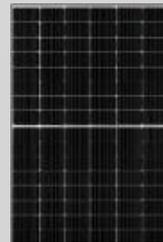
SS9-66HD 695-715N

Max. Power Output: **715W**
Max. Module Efficiency: **23.02%**



SS8-72HD 570-595N

Max. Power Output: **595W**
Max. Module Efficiency: **23.03%**



SSA-48HD 420-450N

Max. Power Output: **450W**
Max. Module Efficiency: **22.52%**



New Product
coming soon

Hail Resistance Modules

Product	182 N-Type	210R N-Type
Module Name	SH8-72HD-xxxN	SHA-66HD-xxxN
Size(mm)	2278×1134×30	2382×1134×30
Module Efficiency	590W&22.84%	615W&22.77%
Usage Scenario	Hail severe areas	

Product	182 N-Type	
Name	SS8-72HD-xxxN	SH8-72HD-xxxN
Size	2278×1134×30	2278×1134×30
Efficiency	590W/22.84%	590W/22.84%
Glass	2mm (front glass) +2.0mm	3.2mm (front glass) +2.0mm
Weight	31.2±5%kg	40kg
Hail Test	Φ35mm, 27.2m/s	Φ45mm
Packaging	36pcs/Pallet, 720pcs/40'container	36pcs/Pallet, 648pcs/40'container

Product	210R N-Type	
Name	SSA-66HD-xxxN	SHA-66HD-xxxN
Size	2382×1134×30	2382×1134×30
Efficiency	615W/22.77%	615W/22.77%
Glass	2mm (front glass) +2.0mm	3.2mm (front glass) +2.0mm
Weight	32.5±5%kg	43kg
Hail Test	Φ35mm, 27.2m/s	Test in progress
Packaging	36pcs/Pallet, 720pcs/40'container	36pcs/Pallet, 576pcs/40'container

Light Weight Module

Product	210R N-Type	210R N-Type
Module Name	SLA-48HD-xxxN	SLA-54HD-xxxN
Size(mm)	1762×1134×30	1961×1134×30
Module Efficiency	460W&23.02%	510W&22.93%
Usage Scenario	Light load areas	

Product	210R N-Type		
Name	SSA-48HD-xxxN	VS	SLA-48HD-xxxN
Size	1762×1134×30		1762×1134×30
Efficiency	460W/23.02%		460W/23.02%
Glass	2mm (front glass) +2.0mm		1.6mm (front glass) +1.6mm
Weight	24.5kg		20.5kg
Packaging	36pcs/Pallet, 936pcs/40'container		36pcs/Pallet, 936pcs/40'container

Product	210R N-Type		
Name	SSA-54HD-xxxN	VS	SLA-54HD-xxxN
Size	1961×1134×30		1961×1134×30
Efficiency	510W/22.93%		510W/22.93%
Glass	2mm (front glass) +2.0mm		1.6mm (front glass) +1.6mm
Weight	26.5kg		23kg
Packaging	36pcs/Pallet, 864pcs/40'container		36pcs/Pallet, 1044pcs/40'container

Tracker Compatibility

✔ Completed Compatibility Testing

Module Type	Support Brackets Manufacturer	Mounting Hardware	Test Load(Pa)
SS8-72HD (30mm)	Nextracker	400mm rail	+2475, -2400
		790mm rail	+3075, -2700
		400mm rail + 1400mm Sup Rail	+3150, -3075
		790mm rail + 1400mm Sup Rail	+3600, -3000
SS8-72HD (35mm)	Nextracker	400mm rail	+2475, -2400
		790mm rail	+3075, -2700
		400mm rail + 1400mm Sup Rail	+3150, -3075
		790mm rail + 1400mm Sup Rail	+3600, -3000
SSA-66HD (30mm)	Nextracker	400mm rail	+2100, -2100
		790mm rail	+2475, -2400
		400mm rail + 1400mm Sup Rail	+2400, -2400
		790mm rail + 1400mm Sup Rail	+3075, -3000
SS9-66HD (33mm)	Nextracker	400mm rail	+2100, -2100
		790mm rail	+2475, -2400
		400mm rail + 1400mm Sup Rail	+2400, -2400
		790mm rail + 1400mm Sup Rail	+2700, -2600
		790mm rail + 1400mm Sup Rail+2 Bumpers	+3150, -3000
SS9-66HD (35mm)	Nextracker	400mm rail	+2100, -2100
		790mm rail	+2475, -2400
		400mm rail + 1400mm Sup Rail	+2400, -2400
		790mm rail + 1400mm Sup Rail	+2700, -2600
		790mm rail + 1400mm Sup Rail+2 Bumpers	+3150, -3000
SS8-72HD(30/35mm)	ATI	300mm hi-rise clamp	+1000/-1000
		400mm thru-bolt 16 gauge	+1800/-1800
		400mm thru-bolt 14 gauge	+1800/-1800
		1400mm thru-bolt purlin	+3200/-3200
SS9-66HD(33/35mm)	ATI	400mm hi-rise clamp	+1700/-1700
		400mm thru-bolt 14 gauge	+1800/-1800

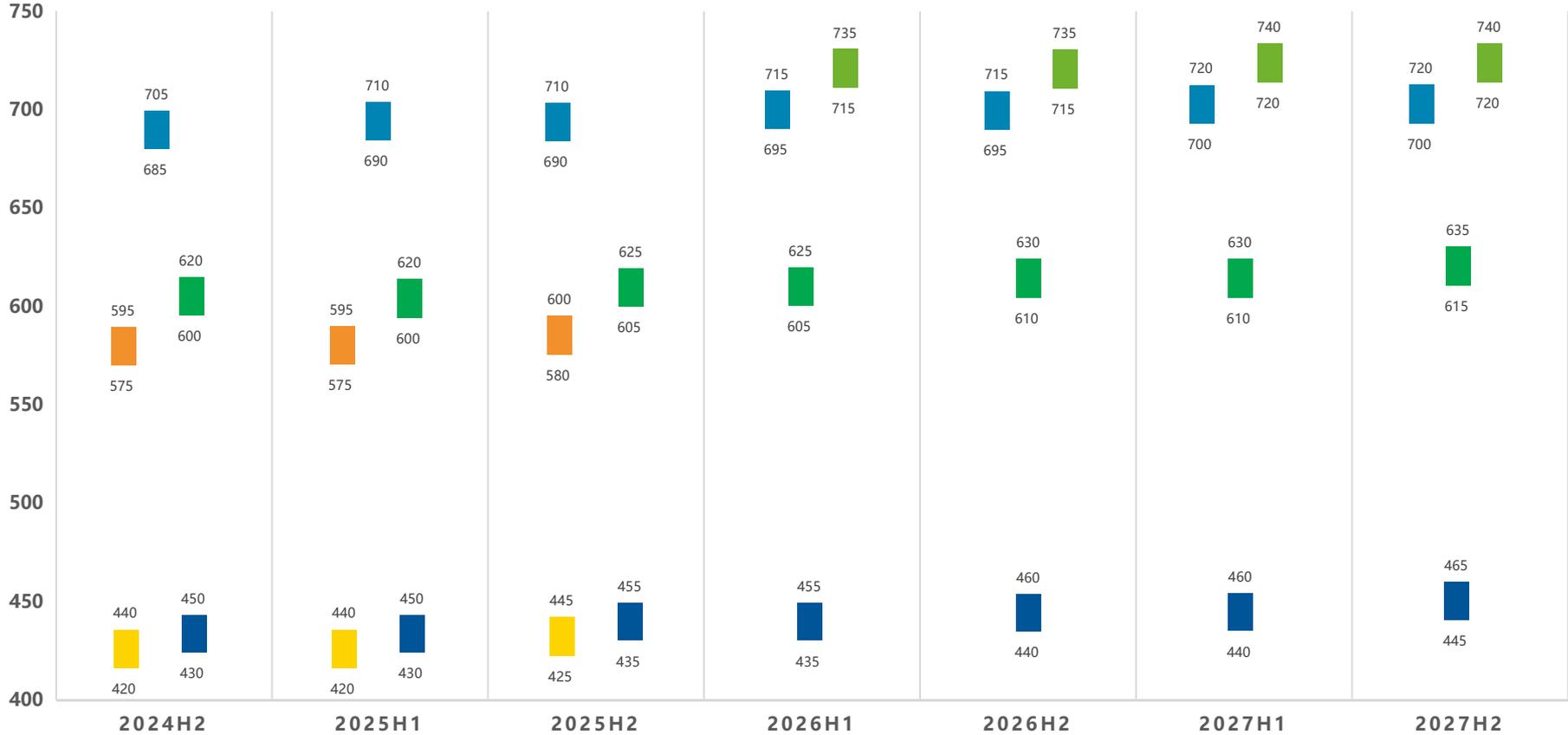
🔄 Ongoing Compatibility Testing

Module Type	Support Brackets Manufacturer	Mounting Hardware
SS8-72HD (30mm)	GCS	470mm SpeedClamp
		600mm SpeedClamp
	ATI	870mm SpeedClamp
		400mm hi-rise clamp 21048
SSA-66HD (30mm)	GCS	TBD
	ATI	400mm thru-bolt 16 gauge
		400mm thru-bolt 14 gauge
SS9-66HD (33mm)	ATI	1400TB
		400mm thru-bolt 16 gauge
		1400mm thru-bolt purlin
To Be Continued		

Solarspace bifacial modules can be matched with the mainstream mounting systems in the market. Some tests are currently ongoing, and we will continue to expand compatibility in the future.



Roadmap



Sustainable Development



Responsible Management

Improve the **three-tier ESG governance structure** and promote the deep integration of ESG initiatives with operations

Establish the Sustainability Management Committee, with the Sustainability Center as the executing department, to create a comprehensive management process that encompasses top-level decision-making, communication, and implementation.



EcoVadis rated

Sustainable Supply Chain



Environmental Sustainability

Select green materials, optimize resource usage, and reduce energy consumption to propel environmental responsibility across the supply chain and minimize the carbon footprint.



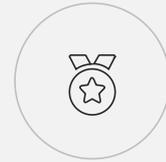
Transparent and Compliant

Through strict supplier audit mechanisms such as RMI CMRT, SolarSpace SRM platform, and third-party certifications, we can promptly manage and monitor the entire supply chain, ensuring transparency and compliance throughout.



Fair Responsibility

Align with international ESG standards and actively promoting the SA8000 Social Responsibility System, and ensure respect for human rights and the health and safety of employees at all stages of the supply chain.



Flexibility and Risk Resilience

Meet the requirements of the EU Corporate Sustainability Due Diligence Directive(CSDDD) and SSI certification, and build greater supply chain flexibility and risk resilience.

Clean Energy Advocate



Demonstration and Promotion of Distributed PV Applications

SolarSpace has realized 100% full coverage of PV modules on the roofs of plants, optimized the energy consumption structure of the production base by self-generation, self-consumption, and sale of extra electricity to the power grid, and provided green power supply for the production park.



Producing Clean Energy by PV

SolarSpace has shipped a total of 81GW+ PV products since 2011, equivalent to reducing carbon dioxide emissions by 96 million tons per year.



Product Carbon Footprint

A number of products have passed the French LCA certification, ECS and ISO14064 Verification Statement of Greenhouse Gas certification, and won the CTC Contribution Award in Carbon Neutrality in 2023.



Partners



Global Partners



100+ Global Business Coverage

800+ Global Partners

Financing Capacity



Bankability



D&B Rating	4AA1 (Previous 4AA2)
Financial Strength	4AA (Registered Capital 85,000,000 - 449,000,000)
Composite Appraisal	1 Strong



Case Study



Green Power Project Supplier



Quwo City, Shanxi Province 100 MW

Green Power Project Supplier



Ruicheng City, Shanxi Province

90 MW

Green Power Project Supplier



Green Power Project Supplier



Green Power Project Supplier



Born, The Netherlands 6.5 MW



Schleswig-Holstein, Germany 7 MW



THANKS

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