

SolarSpace

EFFICIENCY, RELIABILITY, SUSTAINABILITY



A wide, horizontal banner image showing a large industrial manufacturing facility. The image is overlaid with a semi-transparent green filter. It depicts several large, white industrial machines or ovens arranged in a row, with various pipes and structural elements visible. The floor is polished and reflects the overhead lights.

About US

The Manufacturing Expert of PV Cell and Module

A Highly Reliable Solar Products Manufacturer

SolarSpace was established in 2010, as a world leading solar cell and module manufacturer, concentrating on **high efficient solar-technology production** in China and overseas. We are the **top 4 leading solar cell manufacturer** and provide high quality solar modules with our core cell technology worldwide. SolarSpace is dedicated to empower solar solution and to be a true reliable supplier to our business partners around the world.

30GW+

Capacity of
Solar Cell

6GW

Capacity of
Solar Module

TOP4

Solar Cell
Supplier

1.8 Billion USD

2022 Annual Revenue

6000+

Global Employees

Stage 5

Capacity Expansion of Solar Cell and Module

2023 · Continue to expand the global production capacity, the cell production capacity is expected to reach 60 GW+, including TOPCon cell capacity 18 GW. Module production capacity reaches 6 GW.

2022 · Chuzhou and Cambodia bases established and production capacity greatly increased, with a Solar Cell production capacity of 30 GW and a Solar Module production capacity of 4.5 GW at the end of the year

Stage 4

Started the PV Module Business

2021 · The annual capacity of Solar Cells reached 12.5GW, and large-size Solar Cells accounted for more than 80%, ranking the fourth in the world in terms of Solar Cell shipments;
· Solar Module production line established, with a production capacity of 4.5 GW

Stage 3

New Capacity for Large-size Solar Cells 2020 Layout of large-size Solar Cells, with annual capacity of 10GW

Stage 2

Focus on Mono PERC Cell Manufacture **2019** · Suqian base established, with a high efficiency mono PERC cell production capacity of 5GW
2017 · Xuzhou base established, with a cell production capacity over 2 GW

Stage 1

Founded as a professional Solar Cell Manufacturer **2011** · Solar Cell mass production capacity achieve 0.2 GW
2010 · Company Established

The World Leading PV Cell&Module Manufacturer



5 Manufacturing Bases **7** Intelligent Factories **100+** overseas clients*



* Business in Germany, USA, India, Canada, Mexico, Korea, Italy, France, UK, Thailand, Korea, Vietnam, Jordan, Turkey, Tunisia, Armenia and other countries

Has been serving the global industry through SolarSpace technology embedded brands over a decade.



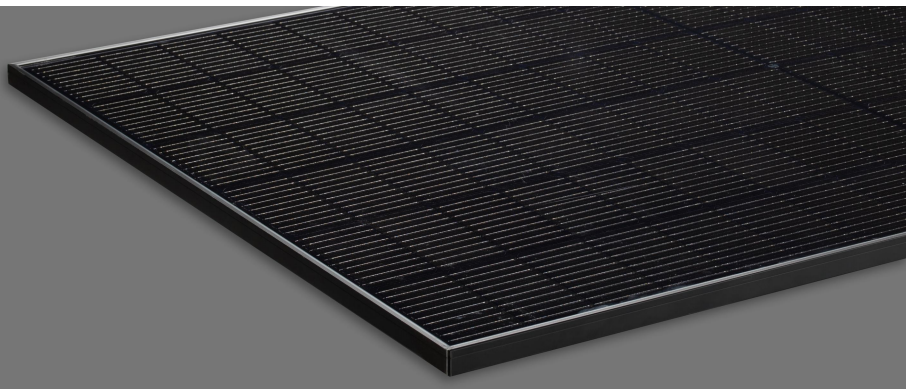
1H22 Cell shipment ranking		InfoLink
Rank	Company	
1	Tongwei	
2	Aiko	
3	Runergy	
4	Solar Space	
5	Jietai	



Solar Module Partners



OEM manufacturer for major module manufacturers, able to produce modules at highest quality level and under strict quality standards.



中国建材集团有限公司
China National Building Material Group Co.,Ltd.

DASOLAR®
一道新能



JinkO^{Solar}

苏美达
SUMEC

CHNT
正泰

solar
fabrik

krannich

华能智链
HUANENG SMART SUPPLY CHAIN

A photograph of a long, brightly lit aisle in a data center. On the left, there are rows of server racks. On the right, there are glass-walled rooms. The floor is covered with a grid of reflective tiles. The image is overlaid with a green gradient.

Why SolarSpace

Efficiency, Reliability, Sustainability

More Than Just a Manufacturer

Silicon

Ingot

Wafer

- Stable Partnership with Leading Supplier
- Strict Quality Standards

Cell

Module

- Leading Product Technology and Highest Quality Level
- Superior Operation Efficiency

Delivery

Service

- Committed to Contract Fulfilment
- Vertical Core Supply Chain Secure 99.9% on-time Module Delivery
- Globally experienced Team offering Professional and Efficient Service

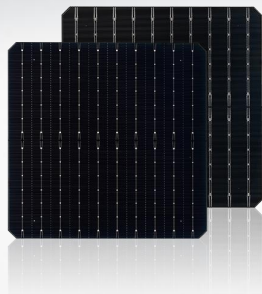


Efficiency

Reliability

Sustainability

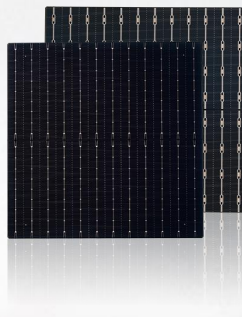
M10 PERC / G12 PERC / M10 Topcon



**M10 Mono PERC
Bifacial Cell**

Average efficiency
of mass production

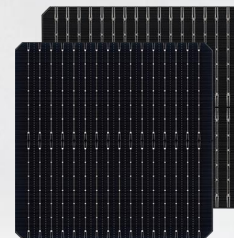
23.3~23.5%



**G12 Mono PERC
Bifacial Cell**

Average efficiency
of mass production

23.2~23.4%



**M10 N-type TOPCon
Bifacial Cell**

Average efficiency
of mass production

24.8~25.3%



Application of thinner wafer



Outstanding temperature coefficient



Higher cell conversion efficiency



Lower Cell Degradation

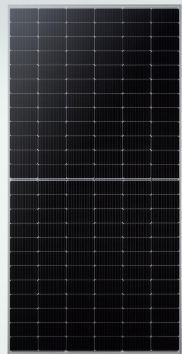


More energy in low light conditions

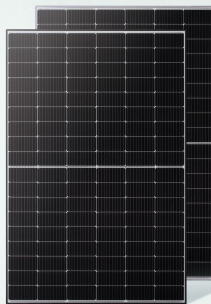


Excellent mechanical characteristics

M10-PERC



SS8-72HD/HS-M

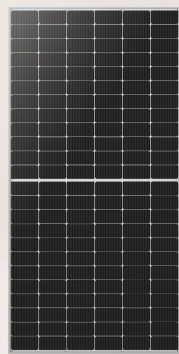


SS8-54HS/HSB-M

Max.Power Output **560W**
Max.Module Efficiency **21.5%**

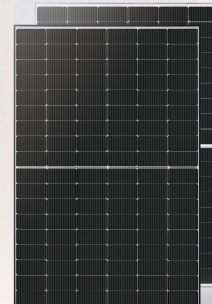
Max.Power Output **415W**
Max.Module Efficiency **21.3%**

M10-N-TOPCon



SS8-72HS/HD-N

Max.Power Output **575W**
Max.Module Efficiency **22.3%**



SS8-54HS/HSB-N

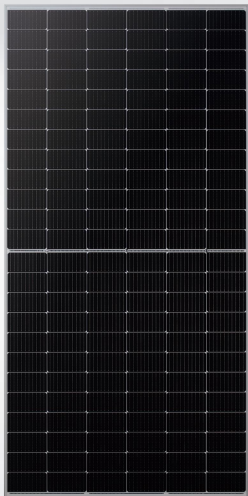
Max.Power Output **430W**
Max.Module Efficiency **22.0%**

High-Efficiency Module Product



SS8-72HS 540-560M

Mono-Facial Module



High Power Output



High Reliability



More Power Generation



Great Adaptability

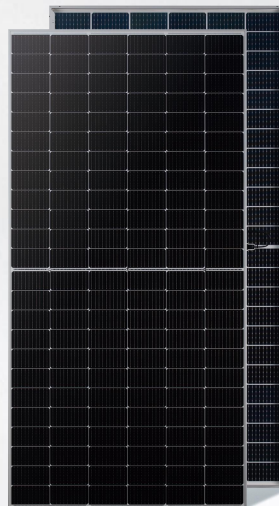
Max.Power Output **560W**

Max.Module Efficiency **21.7%**

Suitable For All Scenarios

SS8-72HD 535-555M

Bifacial Dual Glass Module



High Power Output



High Reliability



More Power Generation



High ROI

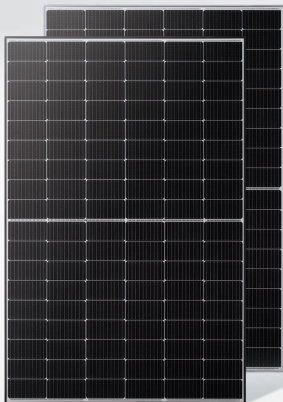
Max.Power Output **555W**

Max.Module Efficiency **21.5%**

Best Choice For Utility Project

SS8-54HS 395-415M

Mono-Facial Module



High Power Output



High Reliability



More Power Generation



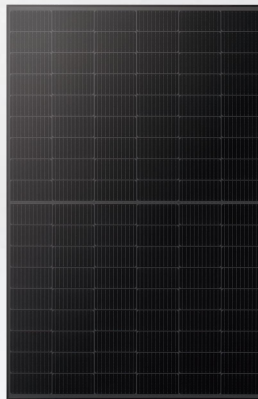
Better Flexibility

Max.Power Output **415W**

Max.Module Efficiency **21.3%**

SS8-54HSB 390-410M

All Black Module



High Power Output



High Reliability



More Power Generation



Aesthetic Design

Max.Power Output **410W**

Max.Module Efficiency **21.0%**

Best Choice for Rooftop Project

SS8-72HS 555-575N

N-TOPCon Mono-Facial Module



Super Power Output



High Reliability



Extra power generation



Great Adaptability

Max.Power Output **575W**

Max.Module Efficiency **22.3%**

Suitable For All Scenarios

SS8-72HD 550-570N

N-TOPCon Bifacial Dual Glass Module



Super Power Output



High Reliability



Extra power generation



High ROI

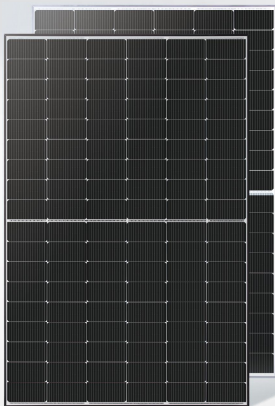
Max.Power Output **570W**

Max.Module Efficiency **22.1%**

Best Choice For Utility Project

SS8-54HS 410-430N

N-TOPCon Mono-Facial Module



Super Power Output



High Reliability



Extra power generation



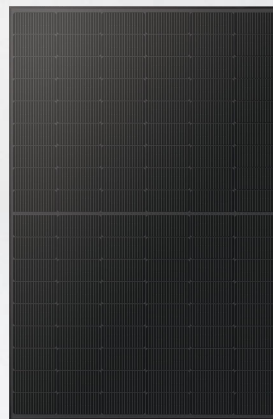
Better Flexibility

Max.Power Output **430W**

Max.Module Efficiency **22.0%**

SS8-54HSB 410-430N

N-TOPCon All Black Module



High Power Output



High Reliability



More Power Generation



Aesthetic Design

Max.Power Output **430W**

Max.Module Efficiency **22.0%**

Best Choice for Rooftop Project



140+

Authorized Patents

3

Achievements above the provincial
and ministerial level

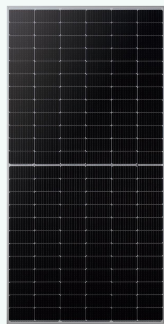
500+

R&D & Technical Staff

3%+

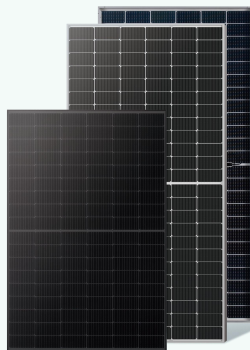
R&D Cost of Revenue





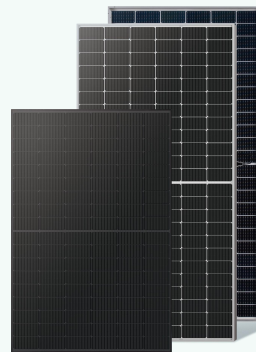
166 P-type PERC

72cells Bifacial Dual Glass
For special market in the short term
435-445W



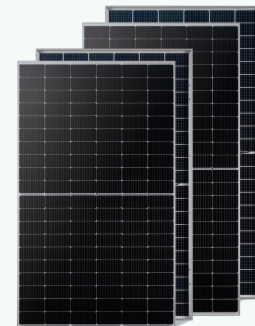
182 P-type PERC

Mainstream module products
High Power + Cost-effective
Rooftop + Utility



182 N-type TOPCon

High Power + Low Degradation
Certification completed & small trail
production @ 23 Q1
Rooftop + Utility



210 P-Type PERC

For 600Wp+ high power demand
Certification completed & has mass prod
capacity @ 23 Q3
Applicable to utility

Solar Module Power Roadmap



M10 PERC 54cells

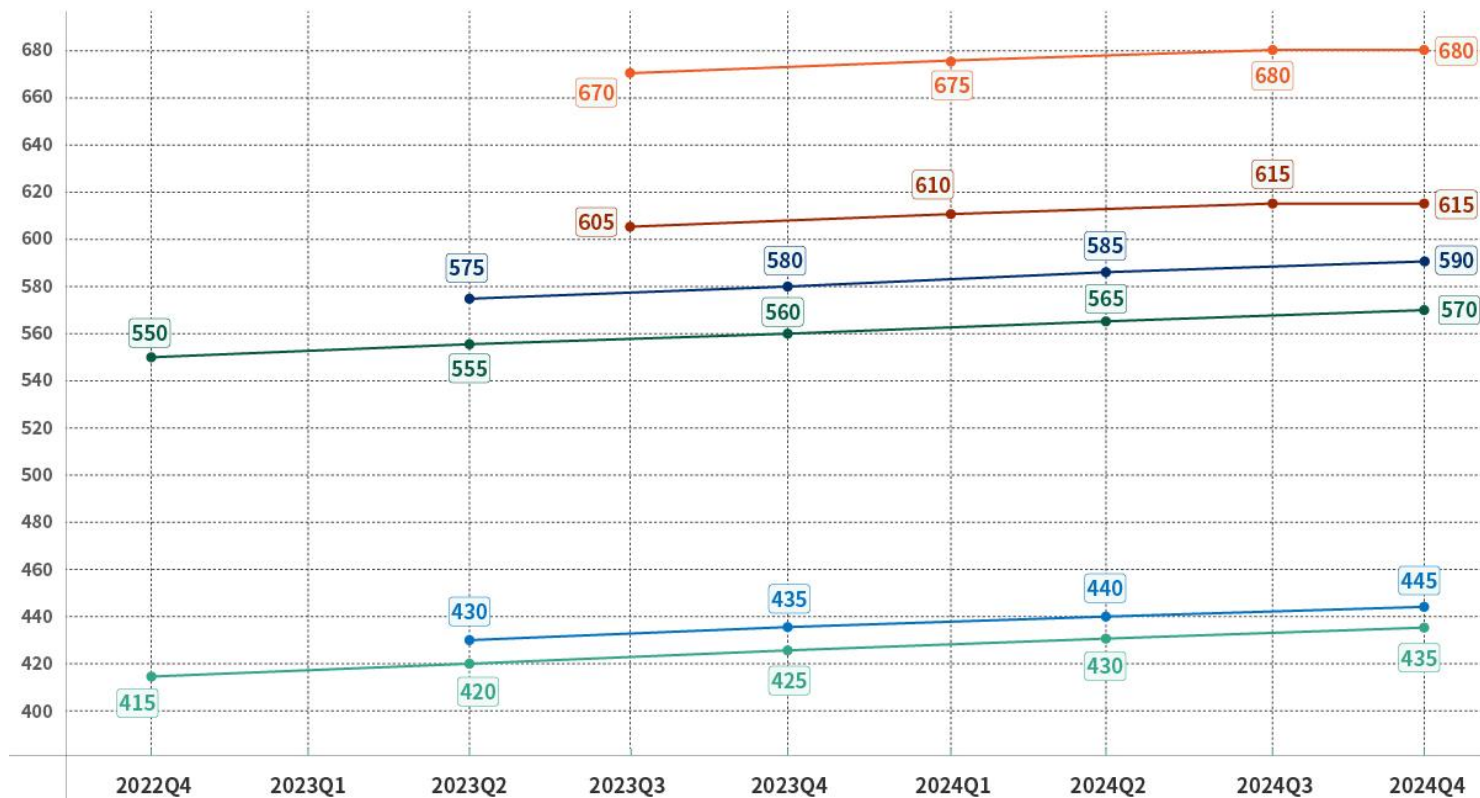
M10 PERC 72cells

M10 TOPCon 54cells

M10 TOPCon 72cells

G12 PERC 60cells

G12 PERC 66cells





Reliability

Sustainability

Efficiency

Fully automatic production line to ensure the consistency of top quality.



99%
Production Yield



16%

Reduction of labor cost



312

Quality Inspections

SolarSpace believes “Quality Matters The Most”. We establish a strict quality management system starting from materials control, production management to delivery inspection, to ensure top product quality and reliability.

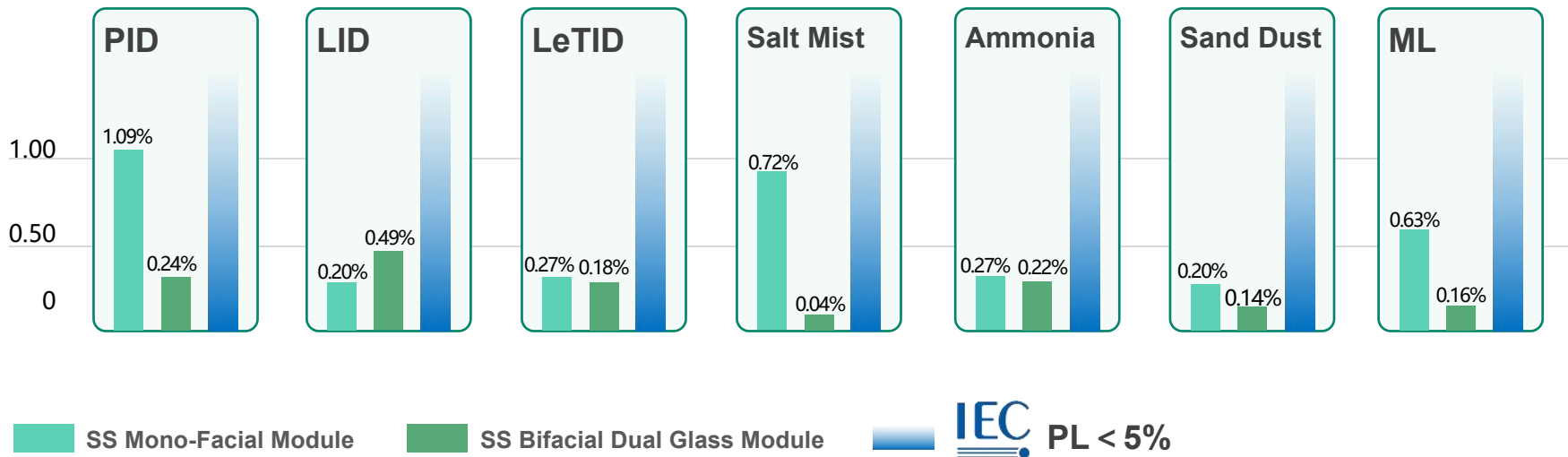
- ▶ Strict Supplier Management
- ▶ Standardized BOM selection
- ▶ Lean Manufacturing Process
- ▶ Comprehensive Quality System



Complete System Certificates

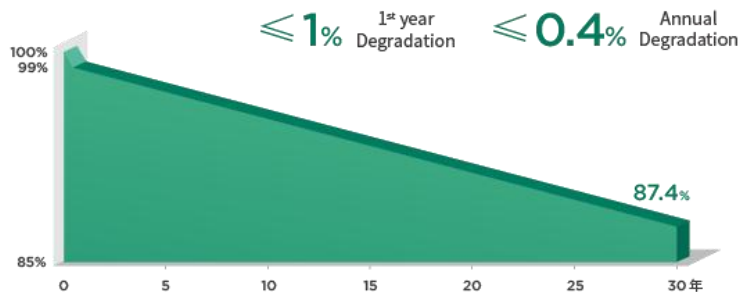
- ▶ IEC61701, IEC62716, IEC60068
- ▶ ISO9001: 2015: Quality Management System
- ▶ ISO14001: 2015: Environment Management System
- ▶ ISO45001: 2018: Occupational health and safety management systems

Lower Degradation



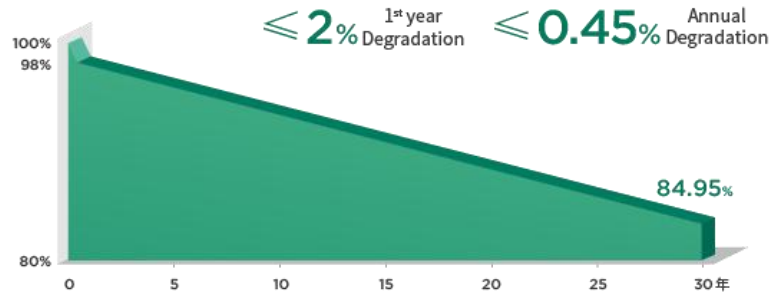
Product Warranty

TOPCON



12 Years Product Warranty 30 Years Linear Power Warranty

PERC



12 Years Product Warranty 30 Years Linear Power Warranty

Comprehensive Certificates





100%

Contract
Fulfillment

99.9%

On-time
Delivery

1 to 1

Customer
Service

12h

Service
Response

< PPM 500

Customer
Complaint Rate



Sustainability

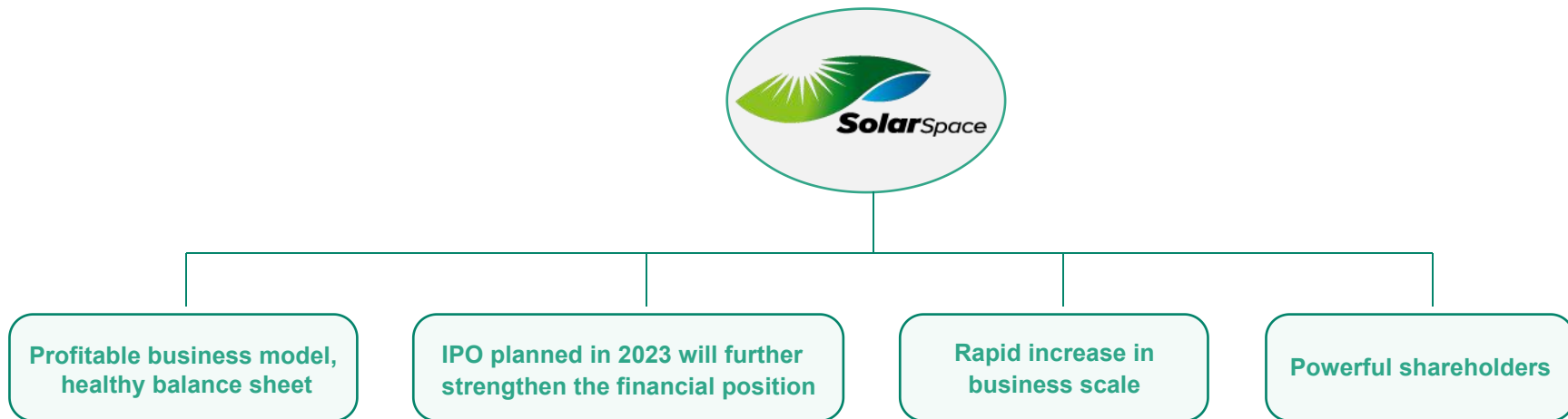
Efficiency

Reliability

Healthy and Strong Financial Momentum



- ▶ Over several years, SolarSpace has consistently maintained an industry leading ability to mitigate risk and adapt to market changes.
 - ▶ The company prioritizes corporate financial health and stability
-



We require each supplier to provide supplier statement, business license, purchase/sale documents, shipping records, production record, payment record for all our shipments.

Silicon Material

Traceable raw material suppliers

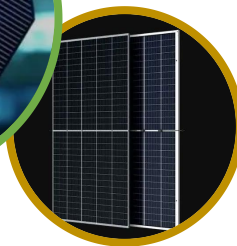


Silicon & Wafer

Cooperate with top suppliers

PV Cell

Self produced high-quality PV Cell



PV Module

Self Produced high-efficiency PV Module

- ▶ Green Manufacturing
- ▶ Charitable Donation
- ▶ Energy Conservation
- ▶ Emission Reduction

40GW+

PV Products shipments

50+

commonweal projects

100%

of the factory buildings are covered by PV modules

23million

tons carbon emmison reduction

EFFICIENCY
RELIABILITY
SUSTAINABILITY

An aerial photograph of a large industrial facility, likely a manufacturing plant or warehouse, with several large buildings and extensive solar panel arrays installed on the roofs. The image is overlaid with a green gradient.

Case Study



Wulian County, Rizhao City, Shandong Province **200 MW**



Xilinhot, Inner Mongolia **47.5 MW**



Thanks For Your Attention

EFFICIENCY / REALIABILITY / SUSTAINABLITY

Contact us | sales@solarspacepower.com www.solarspace.cn