

# Risen Energy

RISEN ENERGY CO., LTD.

2023 Q3

[www.risenenergy.com](http://www.risenenergy.com)

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Risen Energy**

**Main Business**

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# 01 About Risen Energy

About Risen Energy

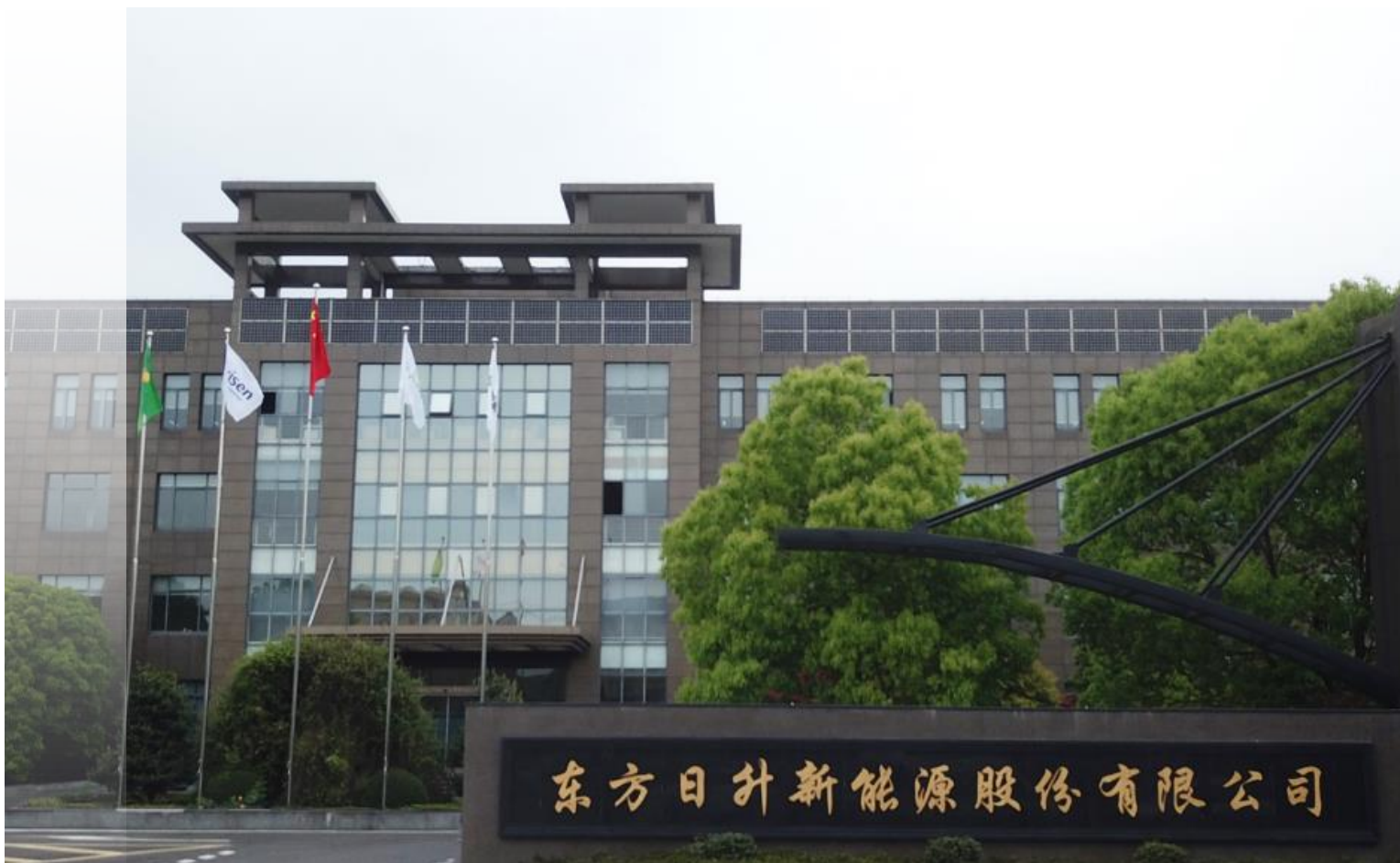
Global Networks

Global Shipments

Milestones

“Two New Strategies”





**45GW**

Capacity

Expected in 2023



**11000+**

Employees



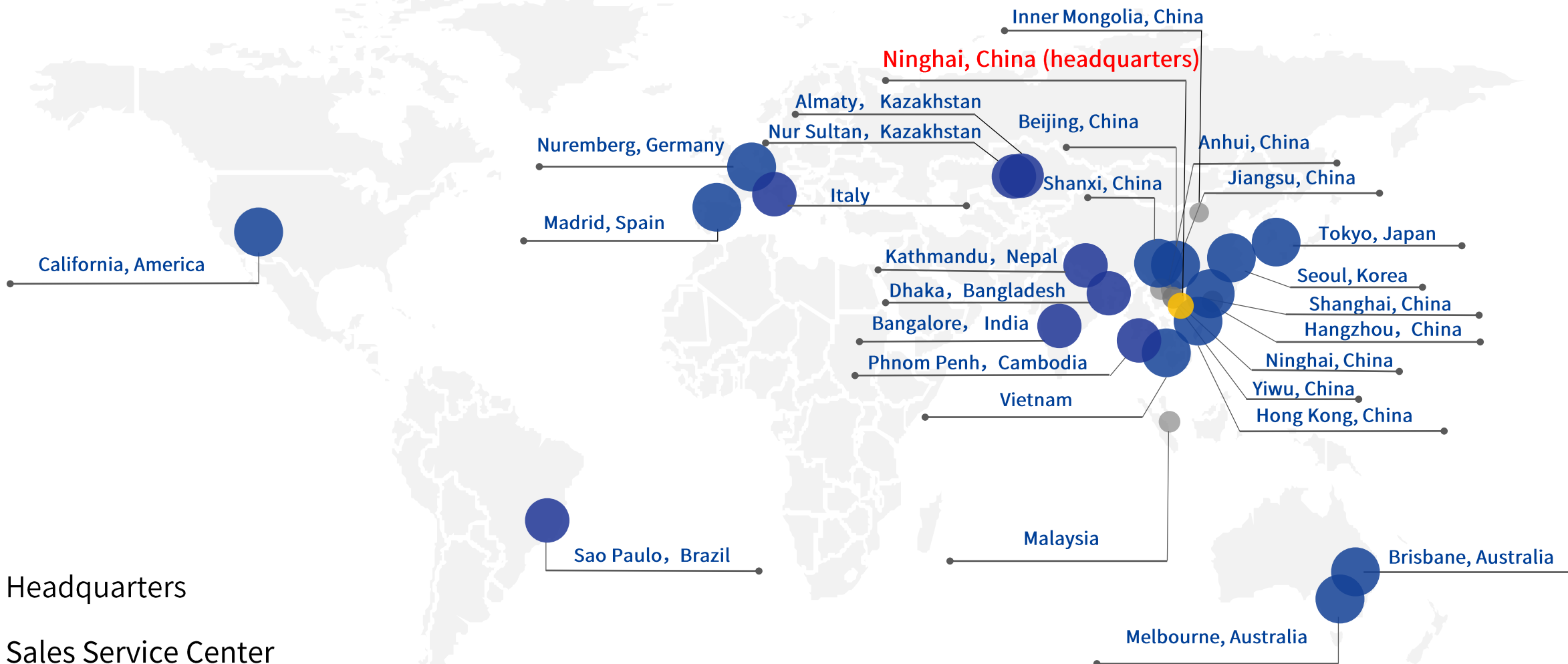
**10000+**

Clients



**29.385Billion+**

2022 Sales

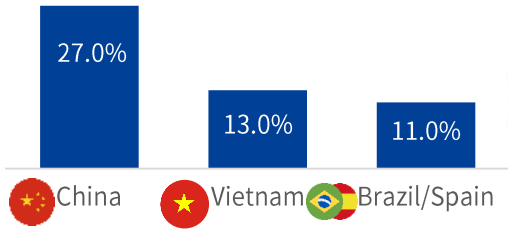


- Headquarters
- Sales Service Center
- Production Base

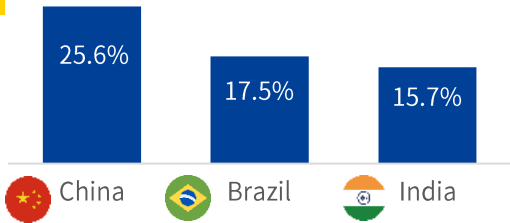
**22** Sales Service Centers

**6** Production Bases

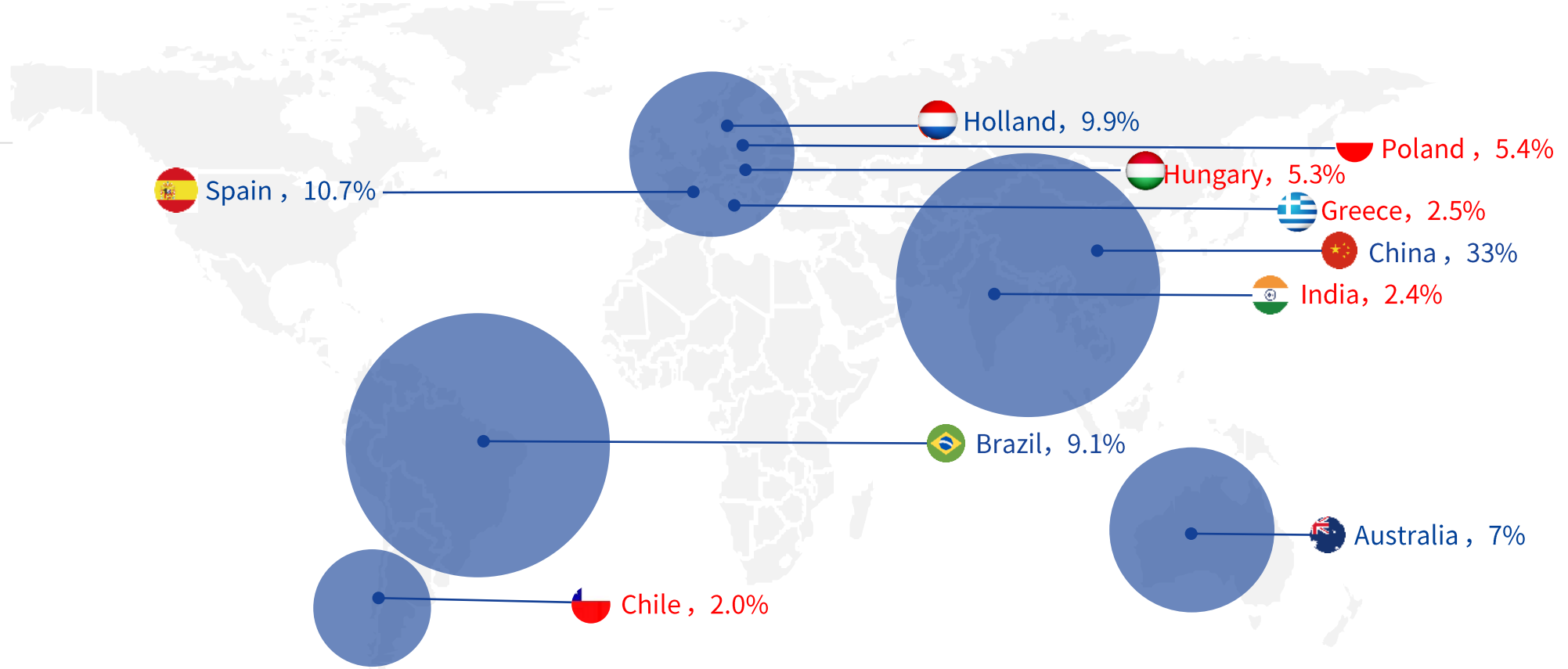
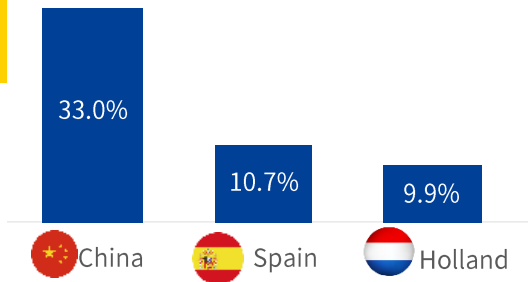
2020 Global Shipments Top 3



2021 Global Shipments Top 3



2022 Global Shipments Top 3



89

Countries and Regions. Products are widely distributed around Europe, America, South Africa and Southeast Asia.

1986

Founded in Ninghai, Zhejiang



2002

Started Solar Business



2006

Started PV Module Business



2010

IPO in Shenzhen GEM Stock (300118)



2017

- Ranked “**Top 500** World Famous Brand of New Energy”
- “Two New Strategies”



2016

- Ranked “**Top 10** Global PV Module Manufacturer”
- Bloomberg **Tier 1** Company



Manufacturer	Global Shipments (MW)
Jinko*	9,000
Canadian Solar*	8,700
ah solar*	8,600
Hanwha Q-Cells*	8,000
Trina Solar*	8,000
First Solar*	7,800
Luxel*	7,500
REC*	6,500
Taiwan*	6,000
SolarEdge*	5,500
Shenghai*	5,000
Shenghai*	5,000
First Solar*	2,500

2014

Photon Ranking **Top 2**



2020

- The World’ s First 500W Module Shipment Company
- Ranked first in terms of HJT module shipments achieved



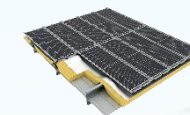
2021

- New PV Products --NewT@N
- First Wind Power EPC Project
- Launched PV Module With High Strength Alloy Steel Frame



2022

- Launch ultra-low carbon BIPV products
- “Risen” Household brand release
- 700Wp+ HJT Hyper-ion yield



Risen Energy will continue to develop “New Energy” and “New Material” in two major areas, forming a “PV Module + Energy Storage, New Material” business pattern.









# 02 Main Business

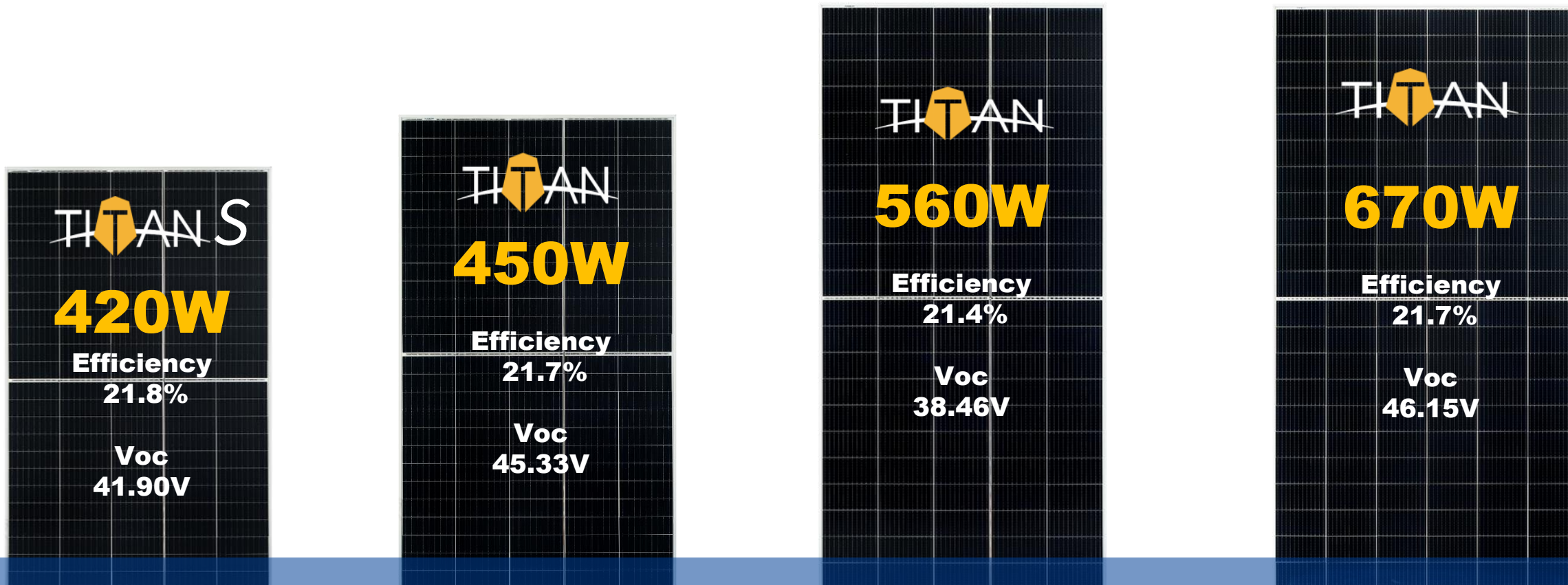
Main Business

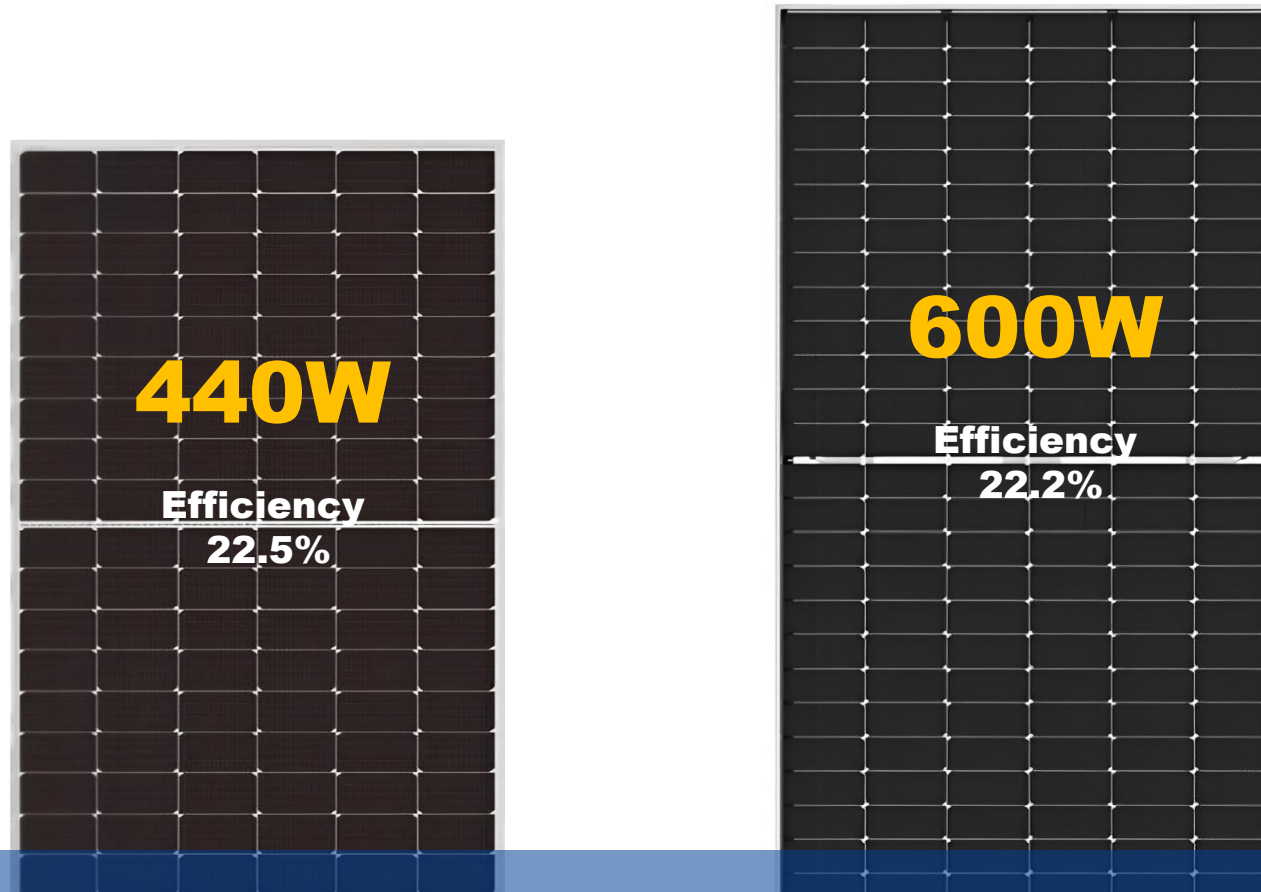
PV Products

PV Power Station

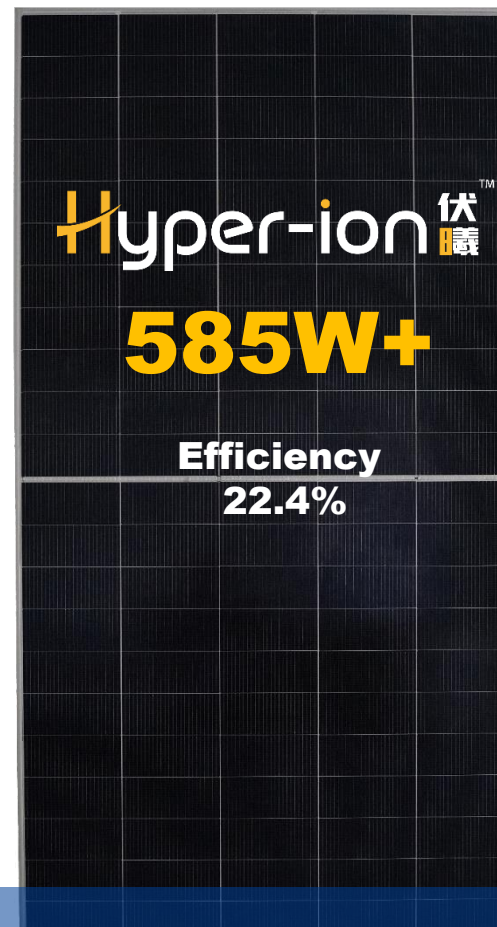
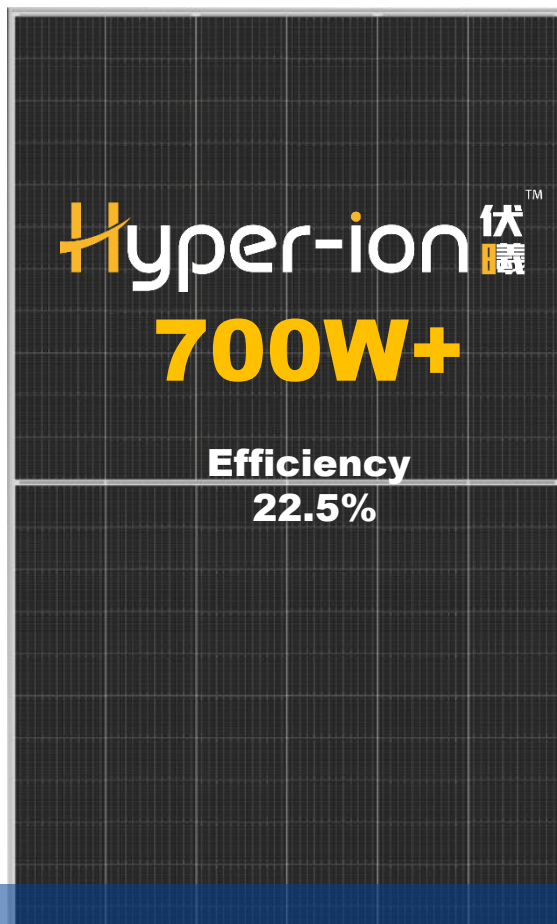
ESS Business

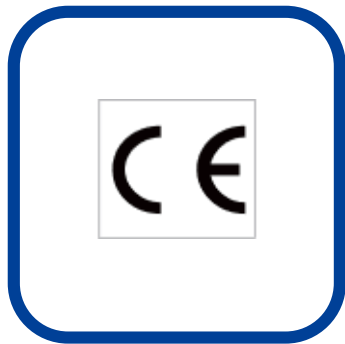
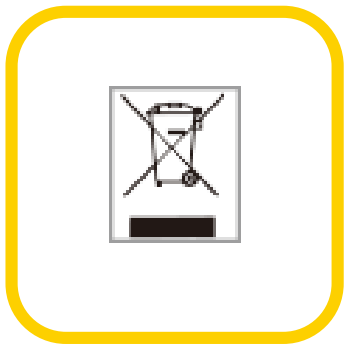
PV Industry Chain	PV Power Project	Solution Provider	LED
			
Silicon material	Residential, C&I, Utility Scale Project	Energy Storage Solution	Home Lighting
PV Cell 、 PV Module	Project Investment and Development	Smart Micro-grid Solution	Educational Lighting
Steel Frame 、 Aluminum Frame	Off Grid Projects	Smart Energy Platform	Landscape Lighting
Ribbon 、 Junction Box	EPC	PV Power Station Intelligent Solution	Municipal Lighting

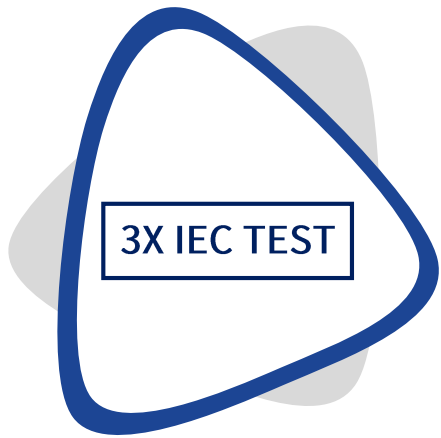












3X IEC TEST



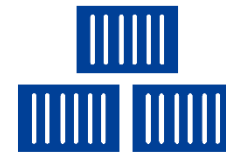
Product  
Qualification Program



UNI 9177



Certisolis  
Carbon Footprint



Plan

Design

Investment

Construction

Operation





40MW

Location: Qaraghandy, Kazakhstan    Completed: 2018





250MW

Location: Viet Nam    Completed: 2020

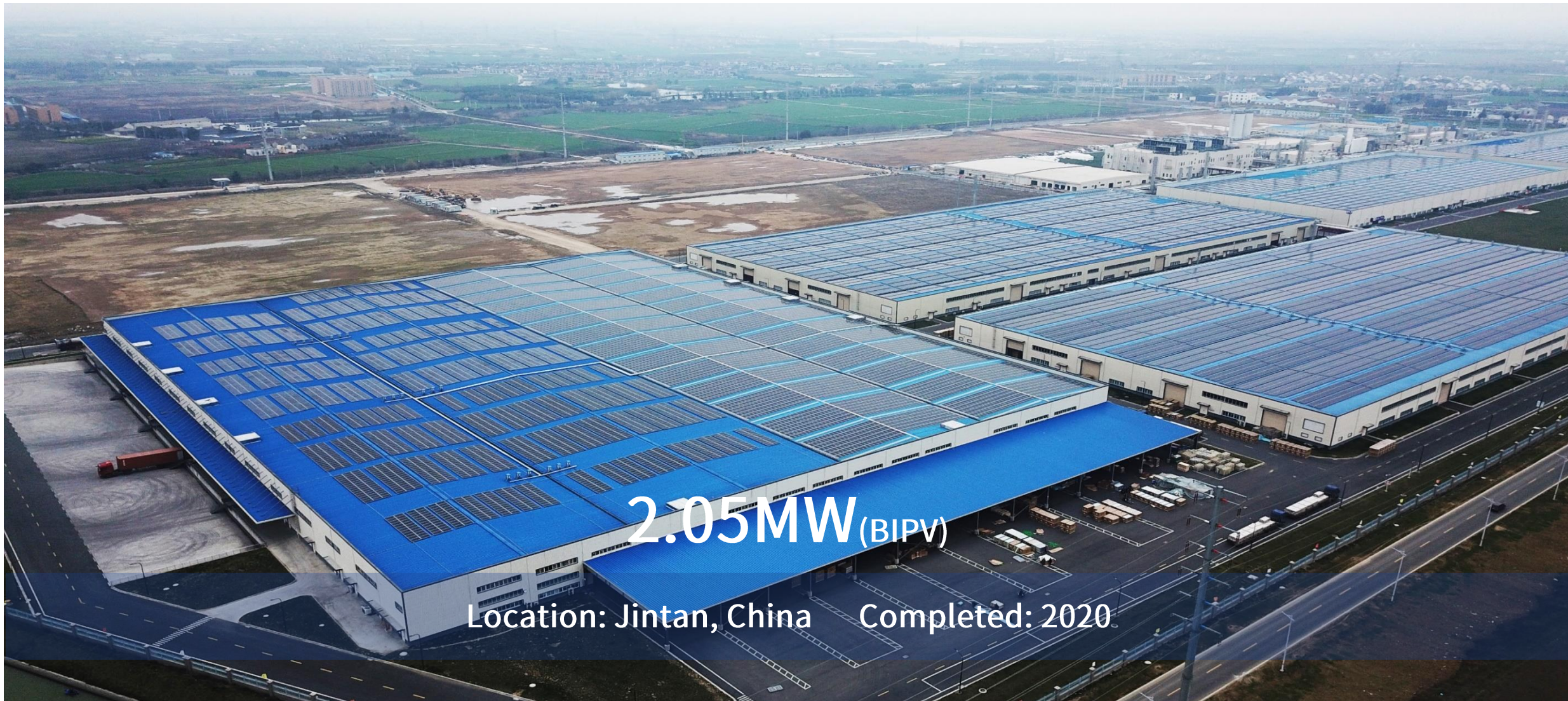




50MW

Location: Glen Velida, Spain    Completed: 2020





2.05MW (BIPV)

Location: Jintan, China      Completed: 2020





150MW

Location: Inner Mongolia, China    Completed: 2021



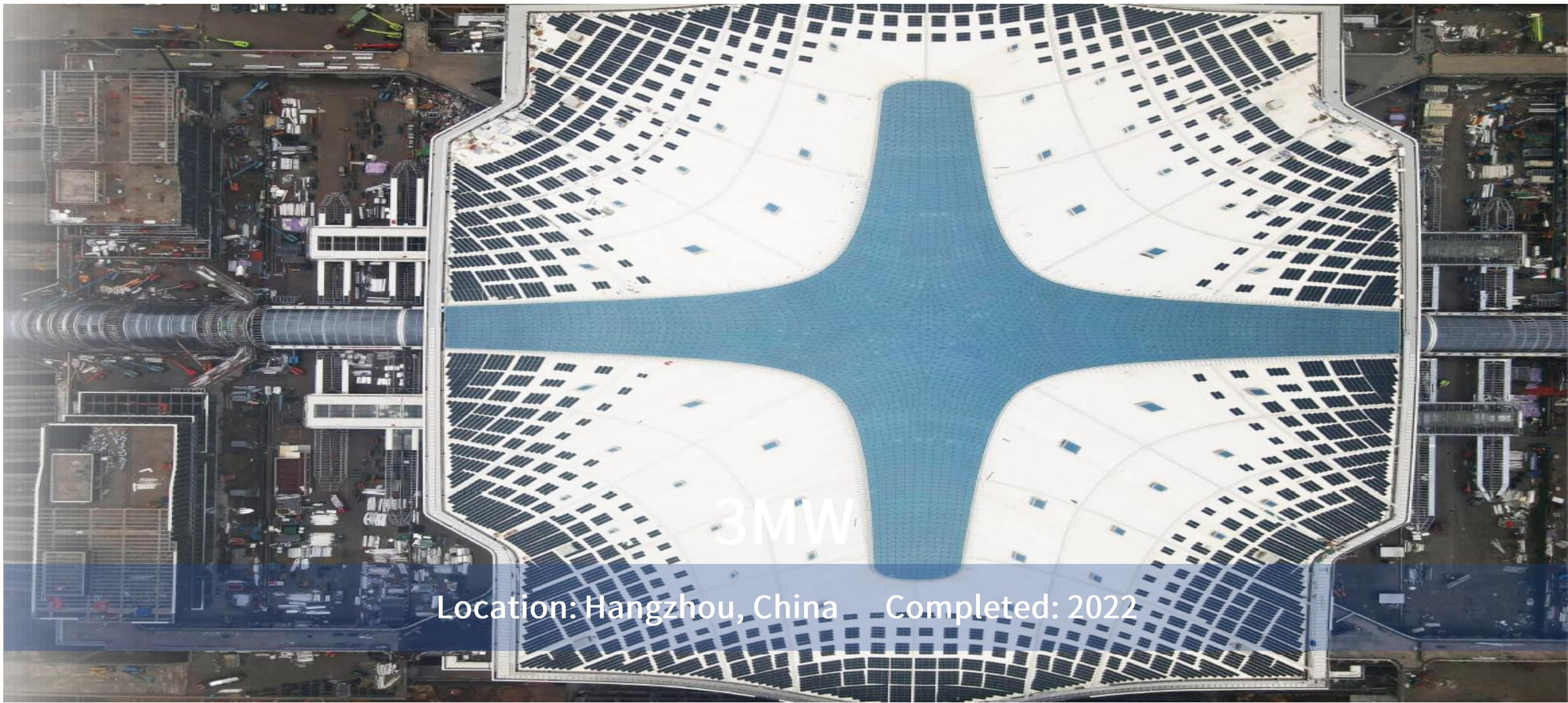
**70MW**

**Location : Battambang, Cambodia      Completed : 2021**



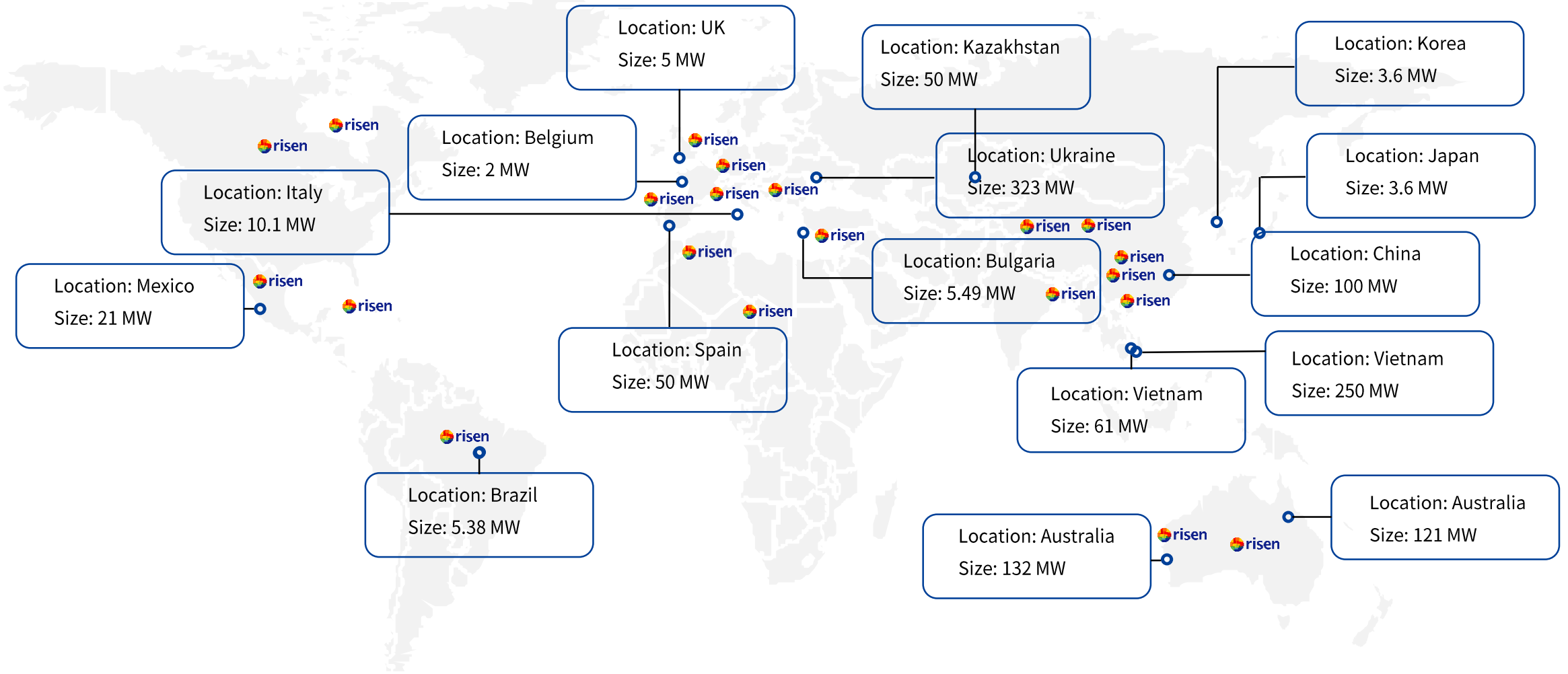






3MW

Location: Hangzhou, China    Completed: 2022







**17years +**  
Li-ion Battery Expertise



**8GWh+**  
ESS Integration



### BATTERY

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- ◆ 280Ah LFP Platform
- ◆ 50/44 NCM Platforms



### C&I ESS

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- ◆ 125kW/573kWh Solution
- ◆ 250kW/860kWh Solution
- ◆ 500kW/1147kWh Solution



### UTILITY ESS

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- ◆ 3440kW/3441kWh Solution
- ◆ 2500kW/5018kWh Solution
- ◆ 2500kW/5016kWh Solution

250kW/860kWh



C&I Energy Storage System

3440kW@3441kWh



Utility-Scale Liquid Cooling Solution

170kW@340kWh



Utility-Scale BESS Solution

2500kW@5018kWh



Utility Energy Storage System

2500kW@5016kWh



Utility Energy Storage System

340kW@344kWh



C&I Energy Storage System

## 03 Our Advantages

Reliable Brand

Operation

Quality Control

CNAS Certified National Laboratory

Leading Technology



## Ranked Tier 1

Table 3: Photovoltaic module manufacturers meeting BloombergNEF's Tier 1 criteria as of 2Q 2023

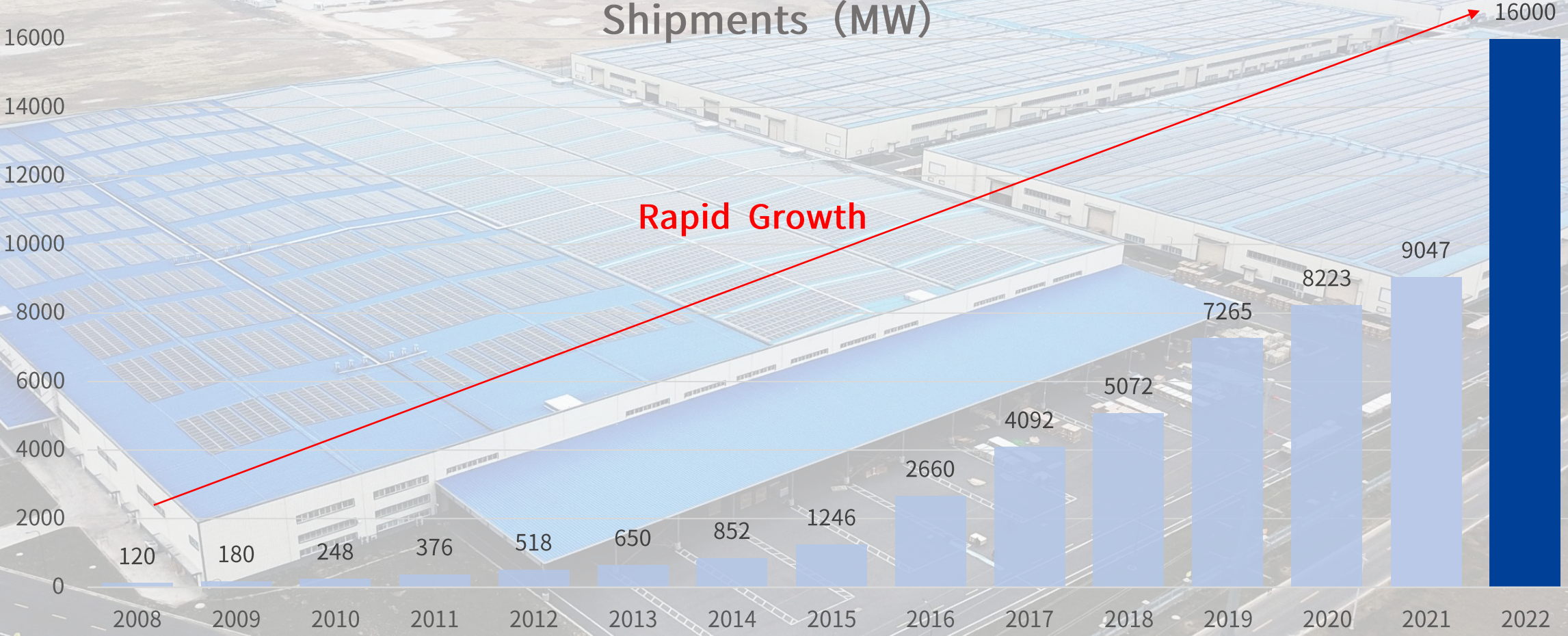
Firm/brand	Annual module capacity (MW/year)	Firm/brand	Annual module capacity (MW/year)
ZNShine*	10,000	Jinneng/ Jinery	4,000
Yingli*†	11,650	Jinko*†	70,000
Waaree*	12,000	Jiangsu Akcome*	7,200
VSUN Solar*	3,800	Jetion	2,500
Ulica Solar	3,000	JA Solar*†	55,000
Trina*†	65,000	HT-SAAE*	5,000
Tongwei	14,000	Heliene*†	950
Suntech*	15,000	Hanwha Q-Cells*†	12,400
Sunpro Power	2,000	Hansol Technics	600
Sumec/ Phono Solar*	4,000	Hanersun	1,000
Solarspace*†	6,000	Haitai Solar	10,000
Solar-Fabrik	50	GCL-System	18,000
Sharp	210	First Solar*†	11,200
Seraphim†	7,750	Exiom Group	2,000
<b>Risen Energy*</b>	<b>25,000</b>	ET Solar Inc*	2,000
Renesola	3,000	Eging*	10,000
Recom	1,200	DMEGC*	7,500
Neo Solar Power/ URE	1,800	Chint/ Astronergy*†	22,000
Maxeon*	10,100	Canadian Solar†	32,200
Luxen Solar	2,300	Boviet Solar*	2,500
Longi*†	85,000	Anhui Huasun*	2,700
Leapton Energy	2,000	AE Solar	1,600
Jolywood*	3,000	<b>Total</b>	<b>568,810</b>



# Shipments

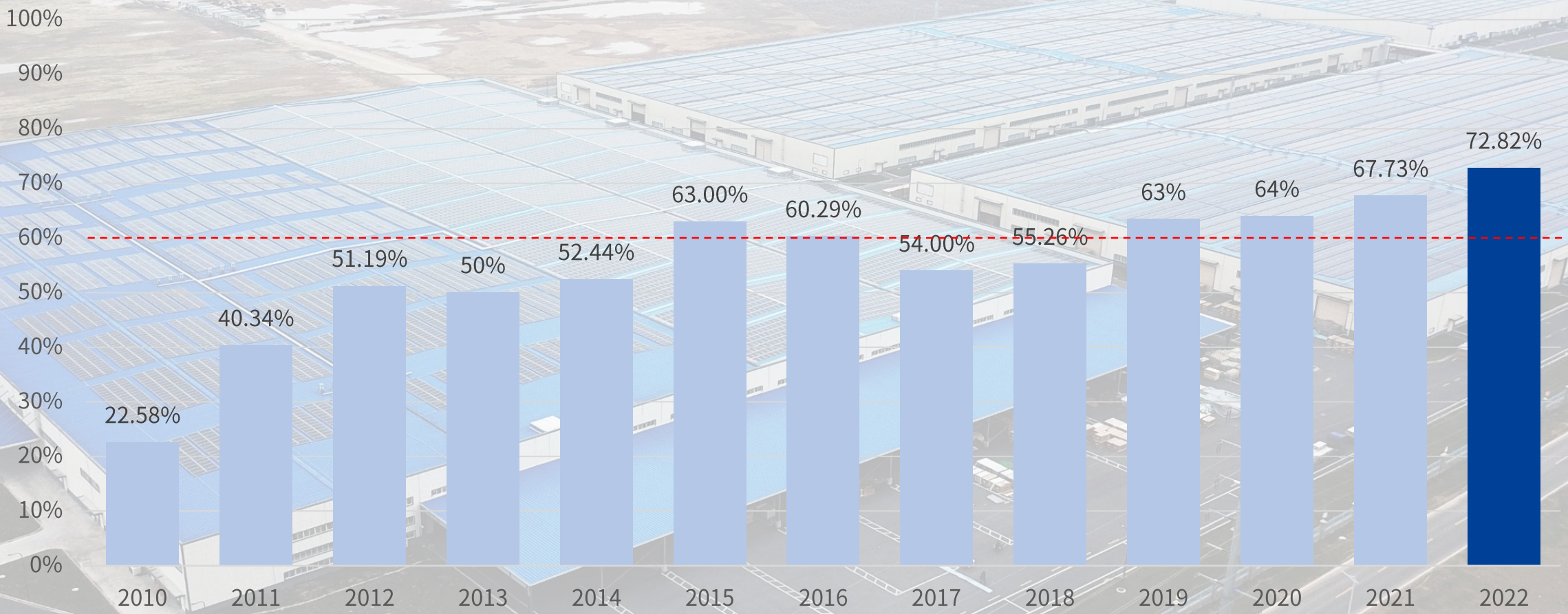
## Shipments (MW)

Rapid Growth





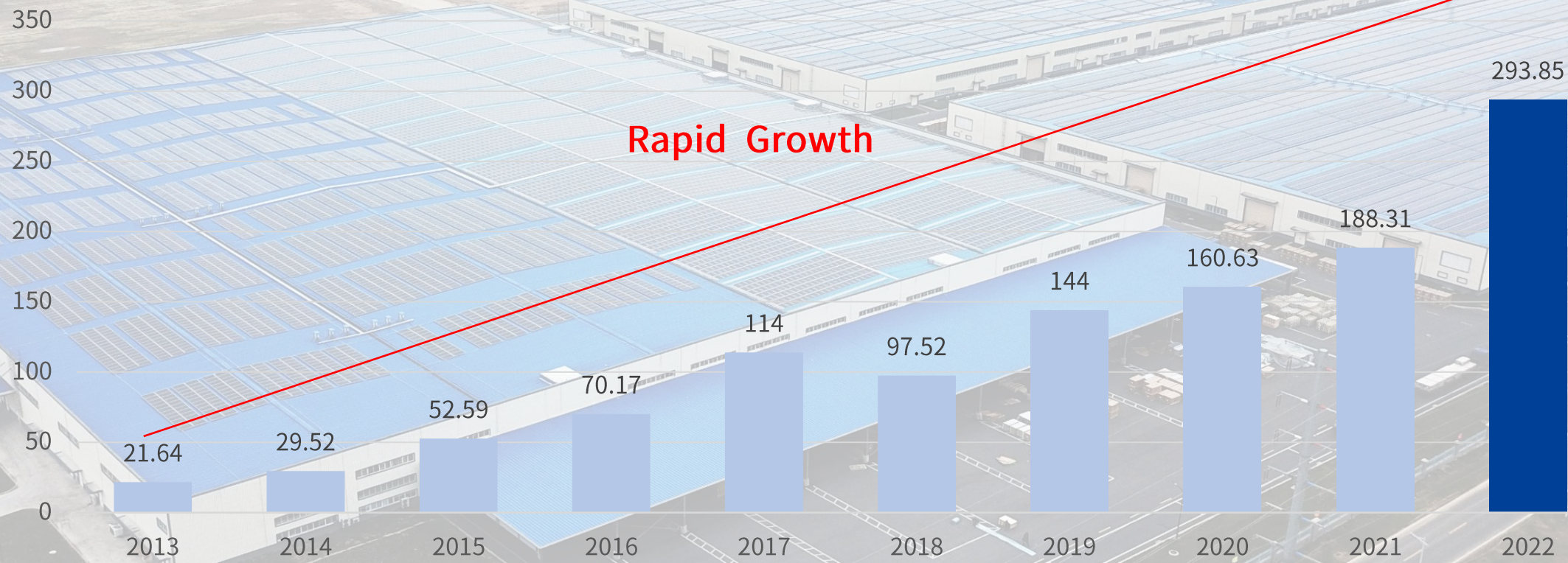
# Debt Ratio





# Operation Revenue

## Operation Revenue (100 million RMB)







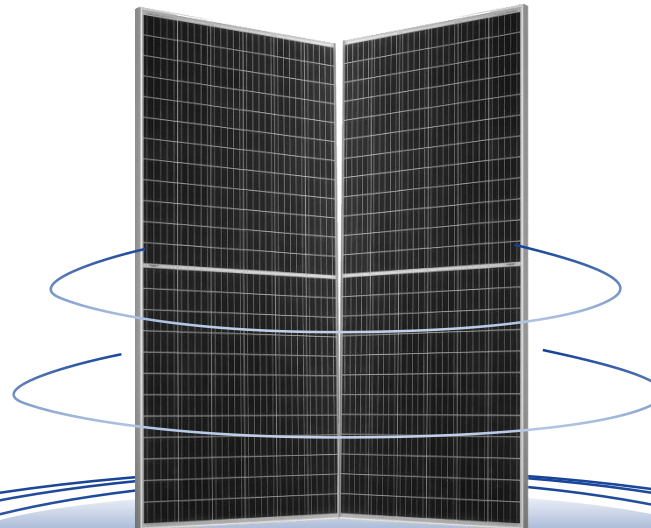
## Supplier Quality Management

- Annual audit and supervision
- Daily assessment
- Major abnormal improvement
- New Material Introduction and Change Management



## Quality Risk Management

- Reliability control
- Standardization and unification
- System construction
- Cross-regional auditing
- Quality and performance management



## Global Customer Service

- Serve customers
- Deal with complaints
- Improve customer relationship
- Investigate customer satisfaction
- Giving feedback against customers' problems
- Drive internal improvement



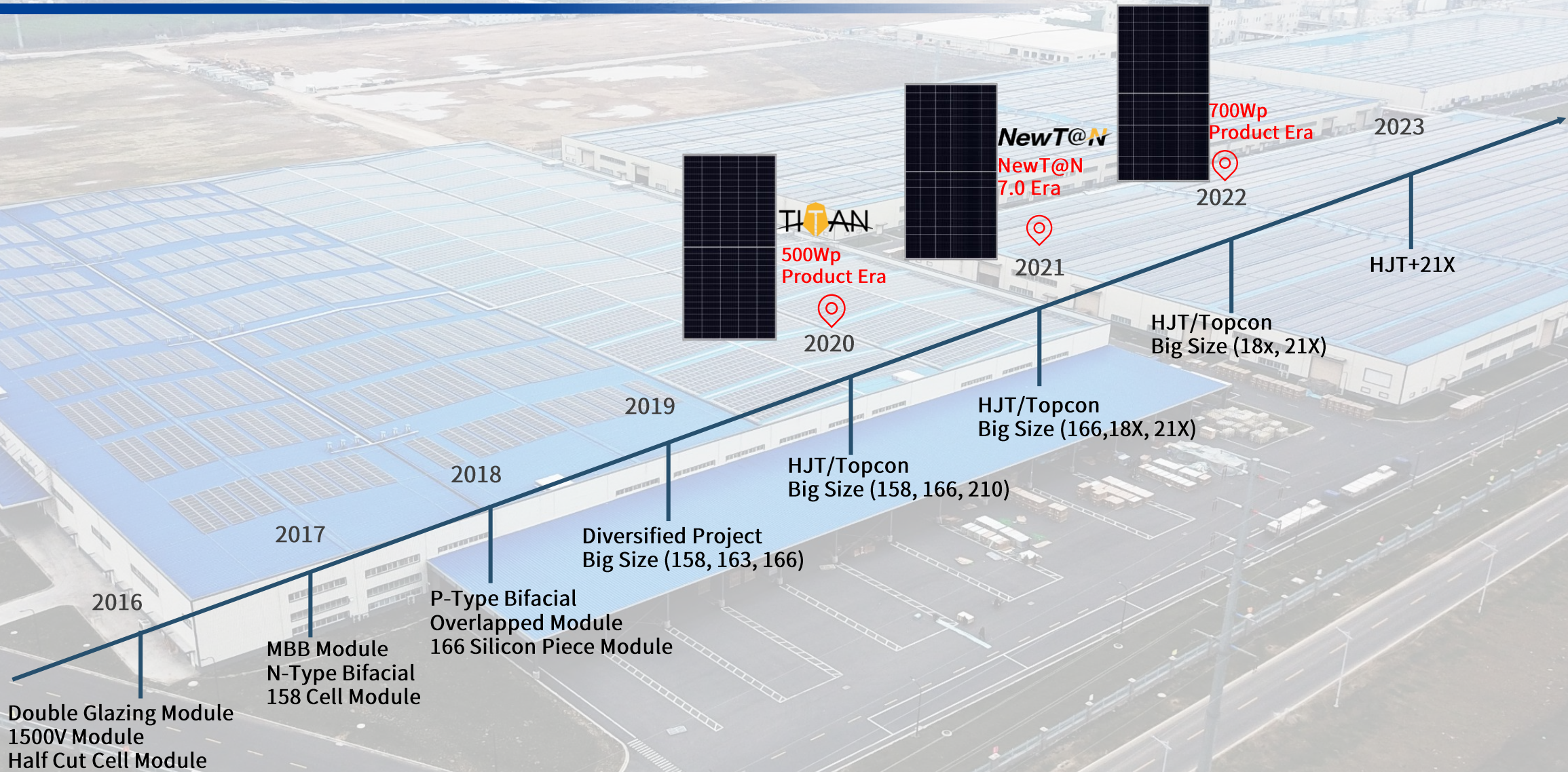
## Product Quality Control

- Monitor production
- Promote quality management





Low opening voltage brings higher string power and effectively reduces LCOE





# 04 Corporate Social Responsibility

Social Responsibility

Public Welfare

Employee Benefits

Corporate Culture



2022 Risen Energy  
Annual Corporate Social Responsibility Report



EcoVadis Sustainability Rating  
Bronze Award





The world is lighten up  
with Risen Energy!



**Donate  
10 Million RMB**



**Donate  
500 Protective Suits**



**Donate 143700 Face Masks  
11300 Disinfecting Wipe**





Care the Elders



Clean the Community Environment



Blood Donation



Community Services



Fighting Covid-19



New Employee Training



Devil Training



Cadres Training



Weekly Training



Outward Bound



Lean Think Production Management Training





Recreational-Activities



Festival Events





Risen Energy Cinema



Risen Energy Talent Show



Maternal Room



## Risen Energy Magazine

Enrich the culture of employees and record the work and life in Risen Energy. There is no limit in the form of artistic creation to solicit the articles among the whole company based on different themes in each issue of the magazine.







The Power of Rising Value

# Thanks for Watching!

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