



Risen Energy Co., Ltd.

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Note: The data in this manual is updated until the end of August 2025, and Risen Energy reserves the right to change the manual without prior notice.



www.risen.com



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Company Profile



Risen Energy Co., Ltd. was founded in 1986 and went public on the Shenzhen Stock Exchange SME Board in September 2010, with the stock code 300118. The company is primarily engaged in the research, development, production, and sales of PV grid-connected power generation systems, standalone PV power supply systems, solar cells, and solar modules. It has established offices and subsidiaries worldwide, creating a global sales network in countries such as China, Germany, Australia, Mexico and Japan, aiming to provide green new energy globally.

Based on the company's strategic goals, the company established the Global Photovoltaic (PV) Research Institute in November 2023, which is mainly responsible for integrated technology research, product development, product iteration and technology management. The institute is dedicated to providing cutting-edge carbon-reducing PV solutions and establishing a globally high-efficiency PV R&D innovation center. This will offer robust technical support to enhance companies' product and technological competitiveness. Risen Energy regards the Global PV Research Institute as a platform for global PV technology exchange and cooperation, promoting the widespread adoption of this technology worldwide while laying the groundwork for realizing our vision of "Risen Energy grows worldwide for hundreds years"

Mission

Continuously improving the energy pattern with technological innovation and the quality of human life.

Vision

Creating a new life for mankind through green new energy.

Service

Customer-centered, providing value through service.



114.5GW+

Cumulative shipment volume
(by the end of Q2 2025)

48GW

Modules capacity in 2025

39 years

The enterprise is founded
(1986-2025)

90+

Countries/regions with
business operations

15GWh

Energy Storage capacity in 2025

Bloomberg
NEW ENERGY FINANCE

Tier 1 leading PV module&
Energy Storage manufacturer

Development
History

RISEN

1986-2002

>>>

2002-2010

>>>

2010-2017

>>>

2017-PRESENT

Company established, rubber and plastic products
10 million RMB sales, 100 employees

Entered the solar industry
Exceeded 100 million RMB sales, 500 employees

Listed on GEM, over 2 billion RMB sales
Started a new undertaking, expanded to internet
finance and new materials

Launched the “Two New Strategies”,
achieved the “10 billion RMB operating income” goal.
Diversified layout
Renewable Energy Solution Provider

Diversified Layout

-

Crystal Pulling	Solar Cells	Modules	BIPV	Solar Lamps
Ground Power Stations	C&I Stations	Energy Storage	PV + ESS + EV Charging Solution	



Global Layout

-

★ Headquarter

📍24 global marketing service centers

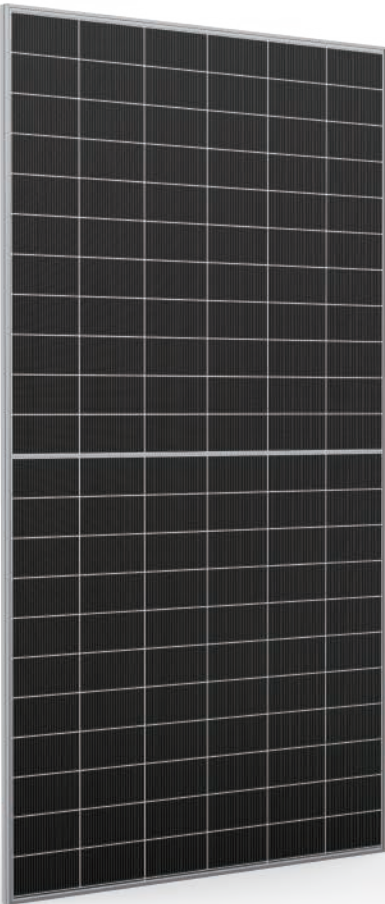
📍10 production bases



Technology Advantages

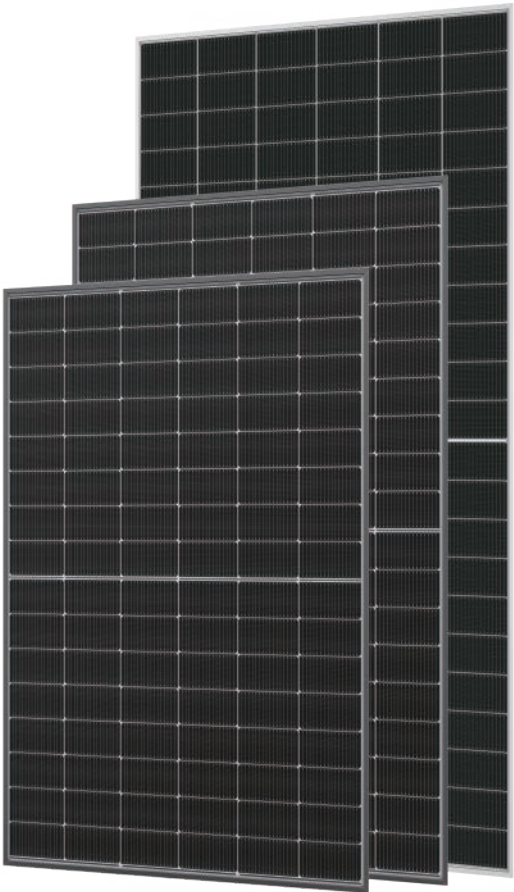
n-type HJT Hyper-ion module

- 210 technology platform
- 26.1%+ cell efficiency
- 745Wp+ mass-produced module power
- The first to launch the OBB cell technology
- The ingenious stress-free Hyper-link interconnection technology
- 120+ independent patents



n-type TOPCon module

- SMBB
- 25.5%+ efficiency of cell mass production
- 650Wp+ power output



Supplier Quality Management

Annual audit supervision; daily assessment; major abnormal improvement promotion; new material introduction and change management, etc.



Global Customer Service

Dedicated to serving customers, handling customer complaints, improving customer relations, surveying customer satisfaction, feedback on customer issues, and driving internal improvement.



Performance Management System

Reliability control of material products, corporate standardization, system and institution development, cross-regional audits, and quality performance management, etc.



Certified Product Management System

Quality monitoring and improvement of each part of the production process, including incoming materials, processes, and outgoing products, to promote full-staff quality management.

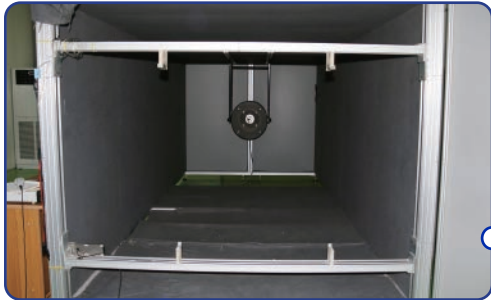
CNAS-certified National Laboratory



Hot-spot endurance test



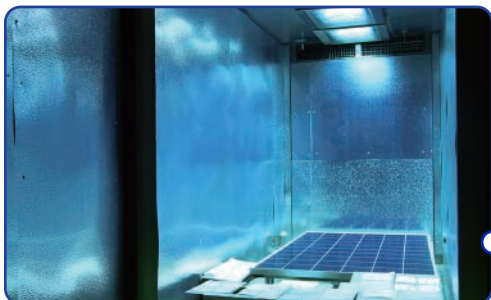
Mechanical load test



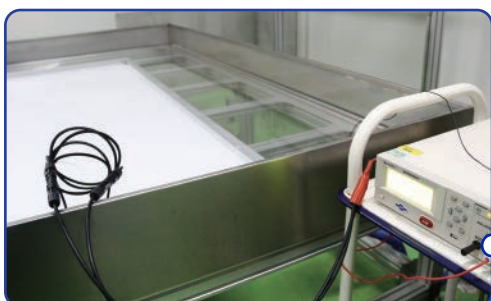
Borg power rating



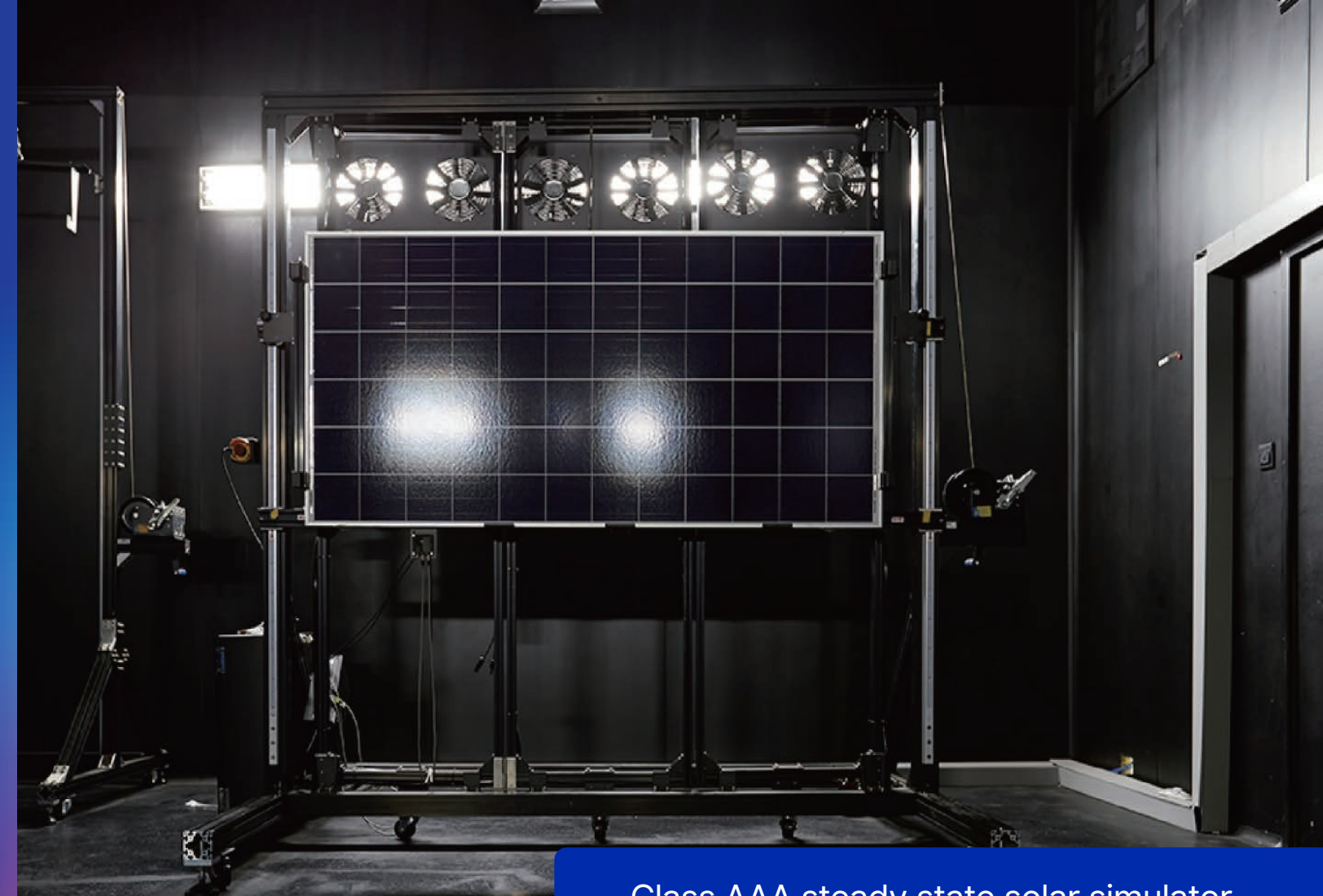
Destructive test



UV test



Wet leakage current test



Class AAA steady state solar simulator



Professional certifications >>>

Comprehensive product and system certifications

IEC61215:2016; IEC61730-1/-2:2016
ISO 9001: 2015 quality management system
ISO 14001: 2015 environmental management system
ISO 45001: 2018 occupational health and safety management system
ISO 14064 greenhouse gas emission verification



3X IEC TEST



PVEL

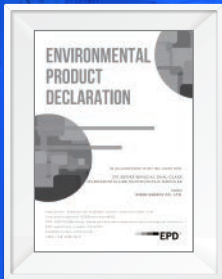


UNI 9177



CERTISOLIS
CARBON FOOTPRINT

Honors and certifications



Italy EPD



Solar Congress



Certisolis Carbon Footprint



EUPD



Product advantages >>>

Product warranty

Product series	Product warranty	Power warranty	First-year degradation	Annual degradation
Hyper-ion Pro	15 years	30 years	1%	0.3%
TOPCon	conventional products: 15 years all-black products: 25 years	30 years	1%	0.4%

Characteristics and performance of modules

All modules are tested and certified by international standards.

Fully automated cell and module production lines with comprehensive quality control and barcode traceability systems.

Excellent low-light performance.

Module efficiency sorting: 0~+3%.

Standard snow load 5400Pa and wind load 2400Pa.

Upgraded IEC Standard certification.

Industry-leading heterojunction modules with ultra-high conversion efficiency: module efficiency up to 24.70% and module power up to 767.38Wp+.

Product certification

IEC61215: 2016; IEC61730-1/-2:2016, UL61730

IEC61701 Salt Spray Corrosion Test

IEC62716 Ammonia Corrosion Test

IEC62804 PID Test

IEC60068-2-68 Dust and Sand Test

IEC62782 Dynamic Load Test

LID Test

LeTID Test

Regional certifications from other countries and regions



Risen Energy Storage

Risen Storage has been dedicated to the lithium batteries for 20 years, integrating R&D, manufacturing, sales, and services. Its products include PCS, BMS, EMS, C&I and large-scale BESS. Notably, its Energy Storage Battery System is the first in China passing UL9540A certification in both the US and China. Through the deep integration of 3S technology, Risen Storage has developed a self-engineered BESS solutions provider for all applications. This solution is applicable in Renewable Energy Integration, Peak Shaving, Frequency Regulation, Demand Response, Backup Power, and Micro-grid, and other applications. The company remains committed to continuously improving the energy landscape through technological innovation.

With an annual production capacity exceeding 15 GWh, Risen Storage has deployed multiple energy storage projects across China, Europe, North America, and the Asia-Pacific region. The company has extensive experience in delivering large-scale BESS projects exceeding 100 MW globally, with its quality and service widely recognized by worldwide customers.



More Reliable More Efficient

C&I Energy Storage Utility-scale Energy Storage

C&I

BIPV
Time Shifting

User-side

- ◆ Time Shifting
- ◆ Demand Charge Reduction
- ◆ Backup Power
- ◆ Microgrid with Distributed Generation

Microgrid

Data Centers
Microgrid with Diesel Gensets

Power Generation Side

Renewable Integration

Generation Side

- ◆ Power Output Smoothing
- ◆ Planned Generation Tracking
- ◆ Peak Shaving, Frequency and Voltage Regulation
- ◆ Virtual Inertia

Grid Side

Ancillary Services

Grid Side

- ◆ Peak Shaving, Frequency and Voltage Regulation
- ◆ Increase Grid Flexibility
- ◆ Grid Investment Deferral
- ◆ Black-Start
- ◆ Distribution Capacity Reduction
- ◆ Improving the Economics of Distribution Grid Operation

PV + ESS + EV Charging Solution

Risen Energy has launched an integrated PV+ESS+EV Charging solution that seamlessly combines the Risen Cloud management platform. This solution creates a fully digitalized, intelligent energy ecosystem spanning power, storage, usage, and management, ensuring higher output, greater returns, and efficient O&M.

In addition, the integration of PV+ESS and cloud management establishes a comprehensive business model that can be tailored to various application scenarios. These include PV+ESS+Diesel solution, Industrial Park ESS, and Substation ESS.



- Efficient Power & Storage for Better Returns**
Maximizing energy generation, storage, and usage to create greater value.
- Comprehensive Safety for Peace of Mind**
Layered protection ensuring the safety of both people and assets.
- Smart Operations with Cloud Control**
Seamless integration of PV and ESS, with cloud management for easy monitoring and maintenance.

Multi-Scenario Solutions



Industrial Park



Truck Battery Swap Station



Public Charging Station

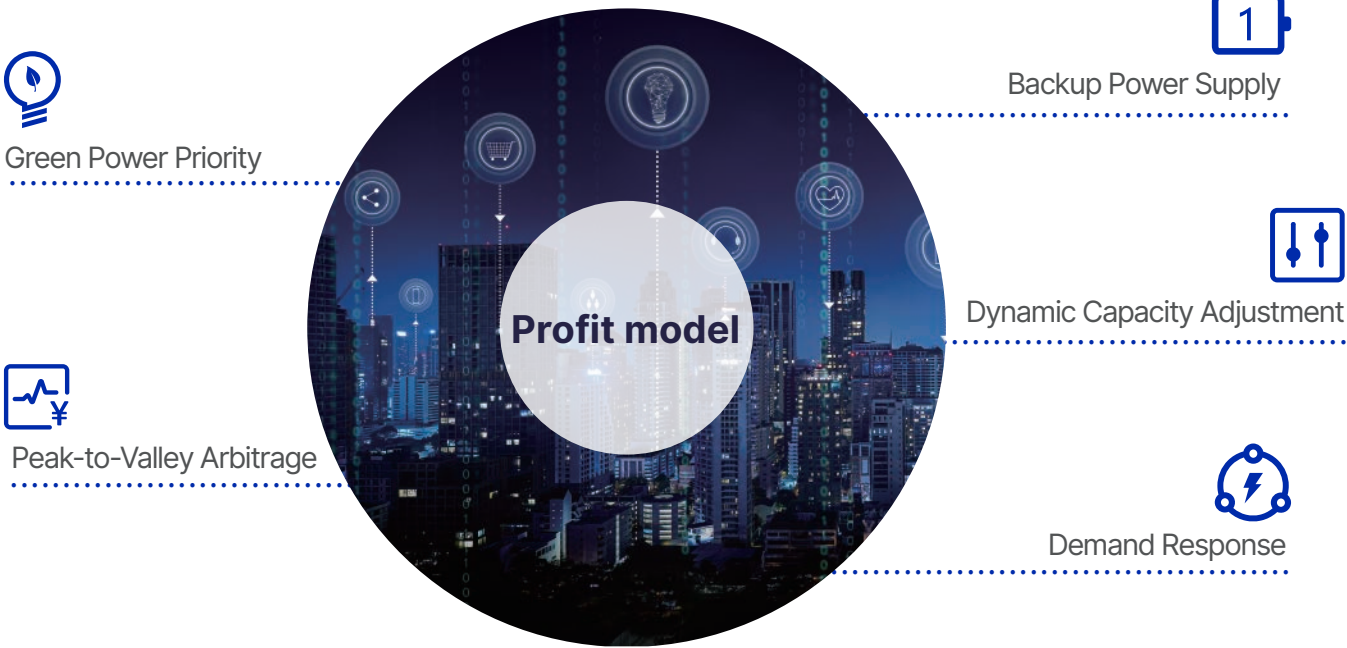


Tourist Attraction



Shopping Mall Parking Lot

Diversified Business Models



Risen Energy BIPV

Breaking the barrier between photovoltaics and buildings

Risen Solar Roof

C&I BIPV System

Metal roofing/ flexible tpo roofing/ gable roofing
30-year lifespan design
Increased installed capacity by 10%-30%
Waterproof, fireproof & anti-dust



Risen Solar Tile

Residential BIPV System

Residential BIPV System
Tiled Type/ Stacked Type/ Single-curved Type
24/7 Green Energy for Your Villa
Seamless Solar & Storage Integration:
Where Performance Meets Beauty
Tile-like Design: Optional formats,
easy and efficient installation



Risen PV Car Shed

Transportation BIPV System

PV Car Shed/ Noise Barrier
Optional optical storage and charging solutions
Prefabricated structure for minimal installation
Clean energy for zero-carbon travel



Risen PV Curtain Wall

Curtain Wall Landscape BIPV System

PV Facades/ PV Balustrades/ PV Louvers/ PV Skylights/
PV Landscape Umbrella/ PV Pavers
Seamless Fusion of Power Generation Technology and
Curtain Wall Structure
Customized Aesthetics: Transforming architecture into
a canvas to showcase the art of light and color



Risen Energy Power Station Development



Risen (Ningbo) Electric Power Development Co, Ltd.

Risen (Ningbo) Electric Power Development Co, Ltd. as a wholly-owned subsidiary of Risen Energy Co., Ltd., it is a high-tech enterprise that integrates research, design, investment, construction, and operation in the field of new energy.

The company is committed to being a one-stop solution provider for clean energy systems, with a focus on new energy technology research, optimized design, EPC management, and support from operation and maintenance services. This encompasses the coordinated development of ground and distributed power stations.

With a specialized EPC project design and construction management team, the company offers one-stop services throughout the entire process that includes consulting, site survey, system design, engineering installation, acceptance testing, after-sales service, and system upgrades.



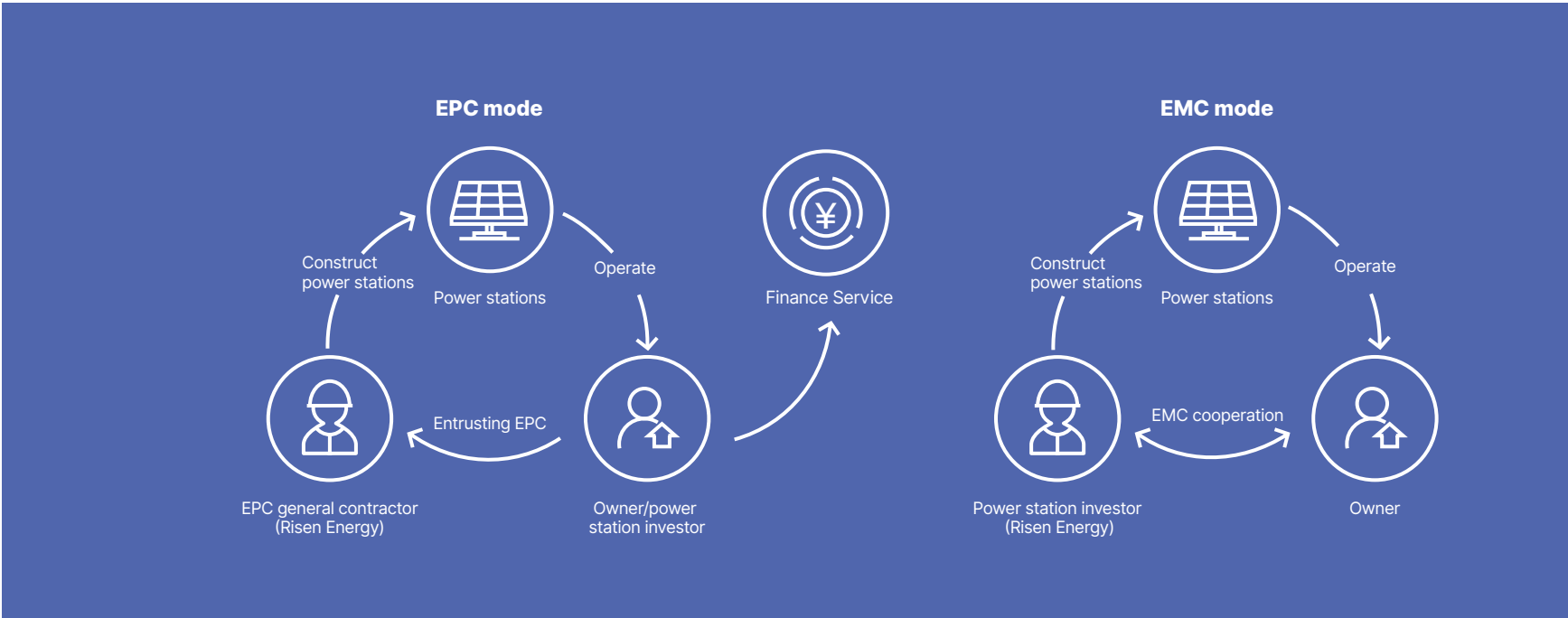
Distributed PV Power Station



Ground Solar Power Station



PV Energy Storage Integration



One-stop Solution



Planning



Designing



Financing



Construction



Operation



Solution design

Each PV project is unique. At Risen Energy, our professional engineers will work with you to design the best solution that meets your power capacity needs, budget, and building structure. We specialize in providing customized designing schemes and professional technical planning for your property through site inspections and equipment selection.



Construction & installation

Members of our construction team are all well-trained with professional experience in on-site installation. Risen Energy will provide each customer with a professional installation scheme tailored to different site conditions. By imposing strict construction controls and selecting top-quality equipment, we aim for the efficient delivery of each project and to build an optimized PV power system for all customers.

Enterprise Culture

Party building culture

Wolf-like team

Cultural events

Humanistic care

Public welfare activities

Projects



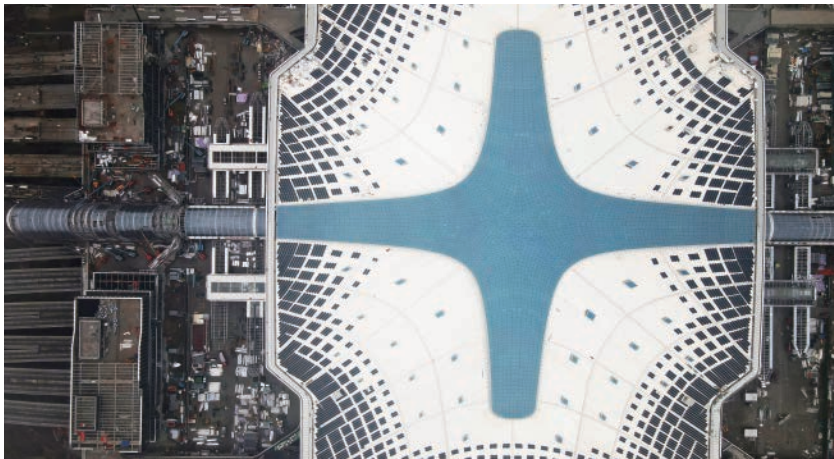
0.86MW

Location: Wuxi, China
Date of installation: 2022
Project type: Parking Building Project



15MW

Location: Germany
Date of installation: 2024
Project type: Floating mounted



3MW

Location: Zhejiang, China
Date of installation: 2022
Project type: roof station



22MW

Location: Qinghai, China
Date of installation: 2024
Project type: High-altitude mounted



6.8MW

Location: Anhui, China
Date of installation: 2024
Project type: Expressway Project



120MW

Location: Tianjin, China
Date of installation: 2024
Project type: Fishery-solar Hybrid Project

Projects



40MW/109MWh

Location: USA

Date of installation: 2022

Applications: Energy transfer, energy smoothing



100MW/100MWh

Location: Anhui, China

Date of installation: 2022

Applications: Peak-shaving, energy smoothing, and frequency regulation



60MW/143MWh

Location: USA

Date of installation: 2023

Applications: Energy transfer, ancillary services

Projects



10.7KW Location: Anhui, China
Date of installation: 2024
Project type: Residential - BIPV



20KW Location: Jiangsu, China
Date of installation: 2022
Project type: Residential - BIPV



265KW Location: Zhejiang, China
Date of installation: 2024
Project type: C&I - BIPV



21KW Location: Shanghai, China
Date of installation: 2023
Project type: Residential - BIPV



31KW Location: Nanjin, China
Date of installation: 2023
Project type: Residential - BIPV



53MW Location: Zhejiang, China
Date of installation: 2024
Project type: C&I - BIPV



35KW Location: Zhejiang, China
Date of installation: 2023
Project type: Residential - BIPV



1.4MW Location: Beijin, China
Date of installation: 2024
Project type: Residential - BIPV