

GLOBAL LEADING

ENERGY
CREATE A NEW
FUTURE NEW
FUTURE SUSTAINABLE FUTURE SUSTAINABLE NEW
COMPANY



SUNRISE ENERGY CO., LTD

CHANGZHOU· CHINA

TEL: +86 519-81688389
WEBSITE: www.sunriseenergy.cn
E-MAIL: info@sunriseenergy.cn

CUSTOMIZED DESIGN
MODULES PRODUCING
POWER STATION DEVELOPMENT



01

02 SUNRISE ENERGY

03 Company Profile

05 Main business

19 Development process

03

31 PROJECT CASES

31 Utility

35 Commerical

02

23 PRODUCT INTELLIGENT MANUFACTURING

25 High efficiency modular automatic production line

27 Quality management system

29 Embodiment of quality reliability

04

41 COOPERATIVE PARTNER

41 Marketing center

SUNRISE BRAND IS FOUNDED SINCE 2006

Sunrise Energ has M10 and G12 series of solar modules. For now we have provided solar modules and customized solutions to over 100 countries worldwide.

MBB half cut P-type and N-type high-efficiency modules, support full-black, bifacial, double-glass and other customized requirements. Bifacial module can achieve up to 30% backside power gain. Solar photovoltaic systems cover household, commercial and industrial distributed and centralized photovoltaic power plants, providing thousands of solutions to help customers achieve maximum profitability. Sunrise adheres to the brand positioning of "CREATE A SUSTAINABLE FUTURE". We are committed to promoting the development of green energy in the world through solar energy and working together to create a zero carbon future for the planet.





ENTERPRISE VISION

Become a world-class new energy enterprise with advanced technology



COPORATE SPIRIT

Innovation and transcendence, pursuit of excellence



BUSINESS PHILOSOPHY

Create value for customers seek development for employees and take responsibility for the society



SUNRISE ENERGY HAS AN ANNUAL PRODUCTION CAPACITY OF 2GW

Sunrise has formed the sales territory from domestic to overseas at present. Adhering to the leading technology, the new intelligent production line is a strong guarantee for us to serve customers and respond to market changes.

120+

Global business partners

100+

Patents

100+

Provid solar modules and customized Solutions for different countries all over the world



MORE STABLE PERFORMACE MORE RELIABLE YIELDS

Authoritative certificated Solar Modules 25+ years warranty-free use

- · P-type high-efficiency modules 25 years of warranty
- · N-type high-efficiency modules 30 years of warran

















- Ammonia resistance, acid resistance, waterproof, fireproof, wind resistance, high strength
- National quality inspection agency and Patented design, strong heat dissipation authoritative third-party certification
- The installed capacity of the same area is higher
 - easy maintenance and more efficient









INVESTMENT OF SOLAR STATION

Sunrise can make efforts in the "development, investing, product, and design" sectors to encourage the implementation of projects. It has the project capabilities to deeply participate in the development, investment, construction, operation, and maintenance of photovoltaic solar station.



Project developers



EPC



Investors









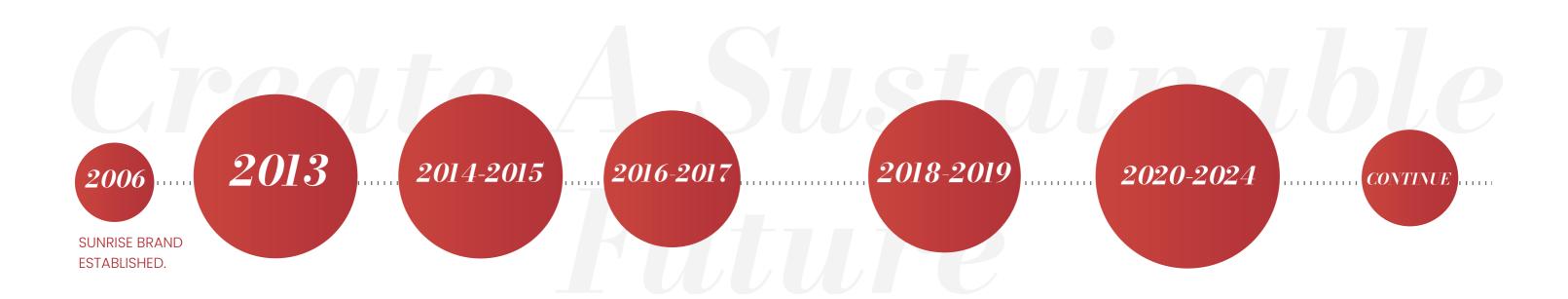








DEVELOPMENT



2006

Sunrise brand established.

New production base was completed, and the annual production capacity exceeded 500MW.

Sunrise signed an exclusive authorization agency agreement with HSBC on financing of PV projects for Australian residents.

2014-2015

Sunrise was awarded the title of "excellent brand of Jiangsu Province".

Participating in pv project investment of Australian public utilities.

2016-2017

"Zhaoyangbao" original household PV power generation system released.

Involved in domestic and international photovoltaic project investment and construction

2018-2019

Sunrise was awarded the title of "outstanding PV enterprise" in Guangzhou International PV Exhibition.

Sunrise was award the title of "China's most influential brand enterprise", and the new automatic production line was officially put into operation.

2020-2024

New fully automatic production line for M10 and G12 PV modules Internationally renowned brands in Jiangsu Province's key cultivation and development

The N-type high-efficiency & MBB Solar modules with has been officially put into production

World premiere of aqueous battery at the Munich exhibition in Germany, 100% safe and environmentally friendly.

Over 100 acres of new plants are under construction to expand the energy storage business

N-type TOPCon light weight double glass solar module put into production, deepen co-operation with Sri Lankan government





INTELLINGENT MANUFACTURING TECHNOLOGICAL INNOVATION OUTSTANDING QUALITY

Manufacturing is not only reflected in product technical performance, but also in production equipment, quality management and customer service. Sunrise firmly believes that innovation is the core factor for enterprises to maintain growth, and the improvement and innovation of details in R&D and production have converged into a qualitative leap.

30+ R&D engineers

23% Module Efficiency



HIGH EFFICIENCY MODULAR AUTOMATIC PRODUCTION LINE

In order to realize the flexibility of manufacturing process and maintain the high standard of product quality, Sunrise divides the module production into several relatively independent and highly interconnected modules, scientific use of statistical engineering, equipment improvement and a variety of management systems combined with lean production, and has fully auto matic production line to ensure the consistency of product quality, improve product quality, improve production efficiency, lower production costs and raise returns for investors.

15%

Production costs reduction

100 +

Production and process

improvement patents

99.4%

Excellent products

15%

Equipment efficiency

improvement

24*7

Real time monitoring system

35%

Production efficiency improvement



QUALITY MANAGEMENT SYSTEM



In order to enhance the customer's satisfaction with product quality, Sunrise vigorously improves the process equipment and conducts professional training for its employees from time to time. Based on the on-the-spot investigation and comprehensive evaluation of DNV.GL 's expert group, Sunrise successfully passes the three system certification, including ISO9001 (quality management system certification), ISO14001 (environmental management system certification) and OHSAS18001 (occupational health and safety management system certification).



RAW MATERIAL CONTROL

Perfect supplier system
Automatic screening of incoming materials
and manual secondary sampling inspection
Storage environment with constant temperature
and humidity
Supplier quality system management



PRODUCTION CONTROL

300 + quality monitoring points
Triple test 100% EL
Online quality control to minimize modules cracks
AAA level HALM tester



FACTORY INSPECTION

OBM test





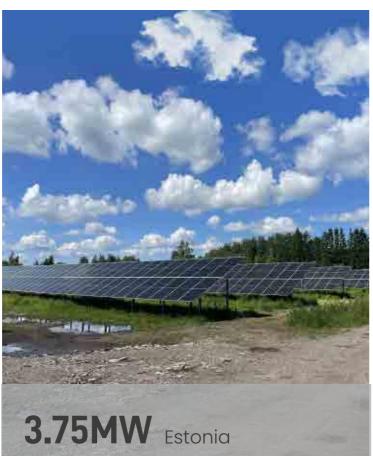


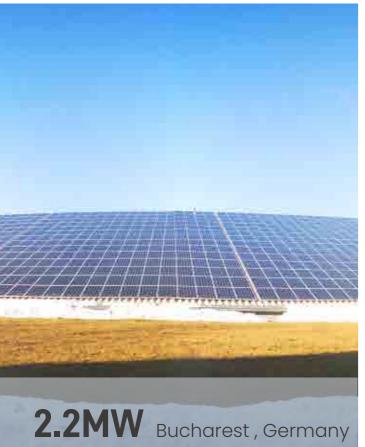






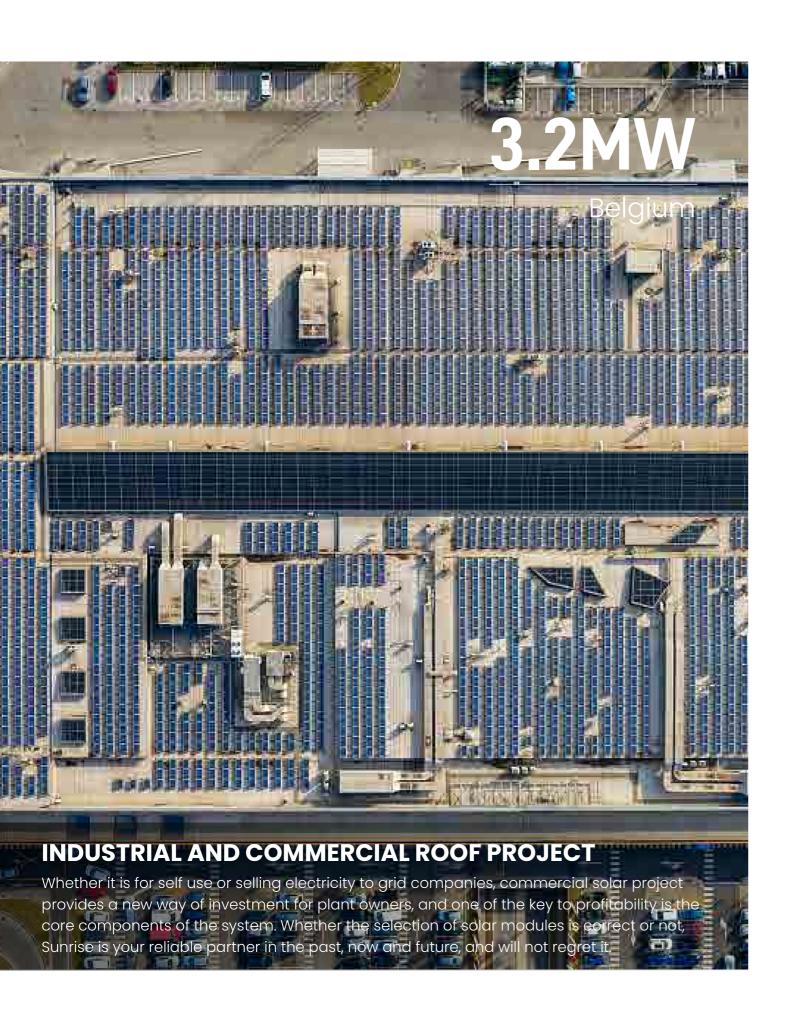


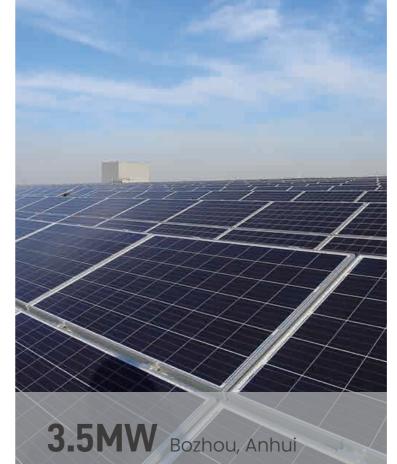


















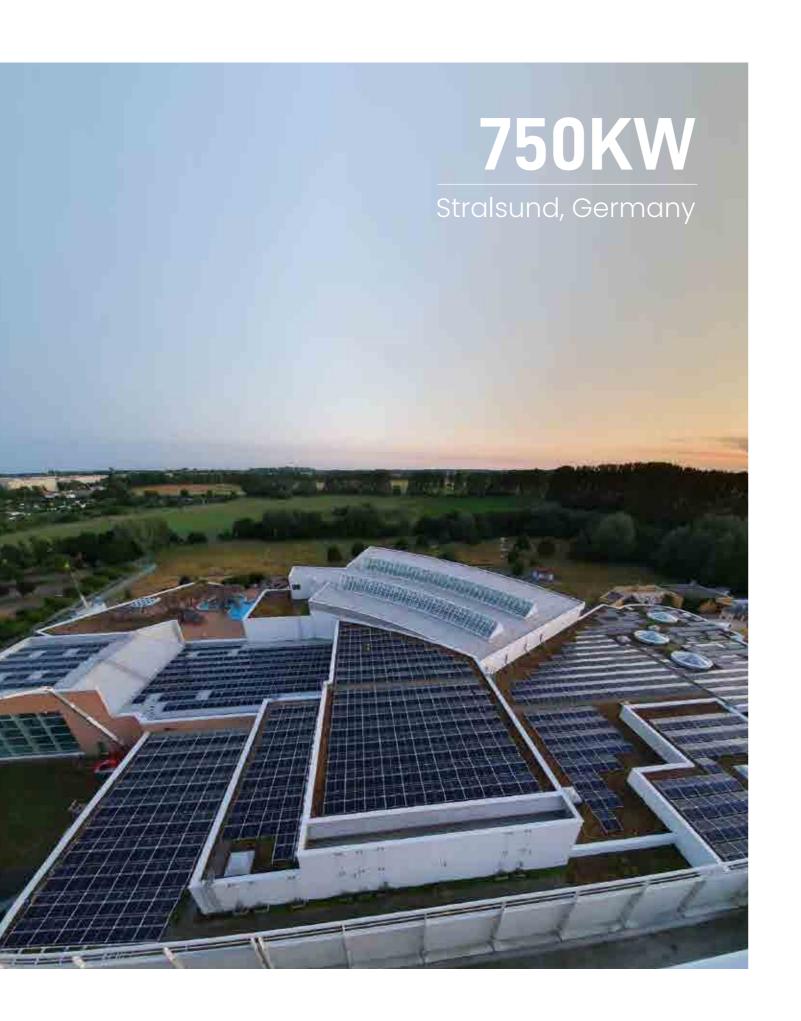














250KW Germany

990KW Florence, Italy

COOPERATIVE PARTNER

