Jiangsu Runergy New Energy Technology Co., Ltd.

Address: No. 58, Xiangjiang Road, Yancheng City, China

Telephone: 0515 - 80891168

Email:sales-inform@runergy.cn

Website:www.runergy-solar.com

RUNERGY



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COMPANY PROFILE

Jiangsu Runergy New Energy Technology Co., Ltd.
was founded in 2013. The company focuses on the
R&D and production of high-efficiency solar cells. As
a technology and innovation-oriented company that is
deeply rooted in the field of photovoltaics, Runergy has
established in-depth partnerships with Fraunhofer-ISE in
Germany and UNSW in Australia. With continuous independent
innovation, efficient execution and meticulous process management, Runer-

gy's solar cells have gained high praise from clients. According to Infolink Consulting, Runergy has ranked the top three in the world in cell shipments for consecutive three years from 2020 to 2023Q1. As of the end of 2022, Runergy's global production capacity of large-size high-efficiency cells exceeded 25GW. In 2023, the total production capacity of solar cells is expected to be over 62GW, and the capacity of solar modules is expected to be over 21GW.

Based on advantages in the field of solar cells, Runergy further extends the industrial chain to upstream and downstream. Currently, the company's production bases include: Ningxia polysilicon base, Yancheng cell base, Jianhu ultra-high efficiency cell base, Yancheng Hyperion module base, Thailand cell & module production base, and Yunnan ultra-high efficiency cell base. Through the embedded integrated strategy, Runergy meets the needs of global clients.

By providing consistently high-quality products to clients, Runergy offers a more transparent and efficient supply chain, which enables us to resist the turbulent market environment and establish a reliable and trustworthy brand.

Runergy, serving the world, making the future full of possibilities.

Automation

Innovation

Smart Manufacturing

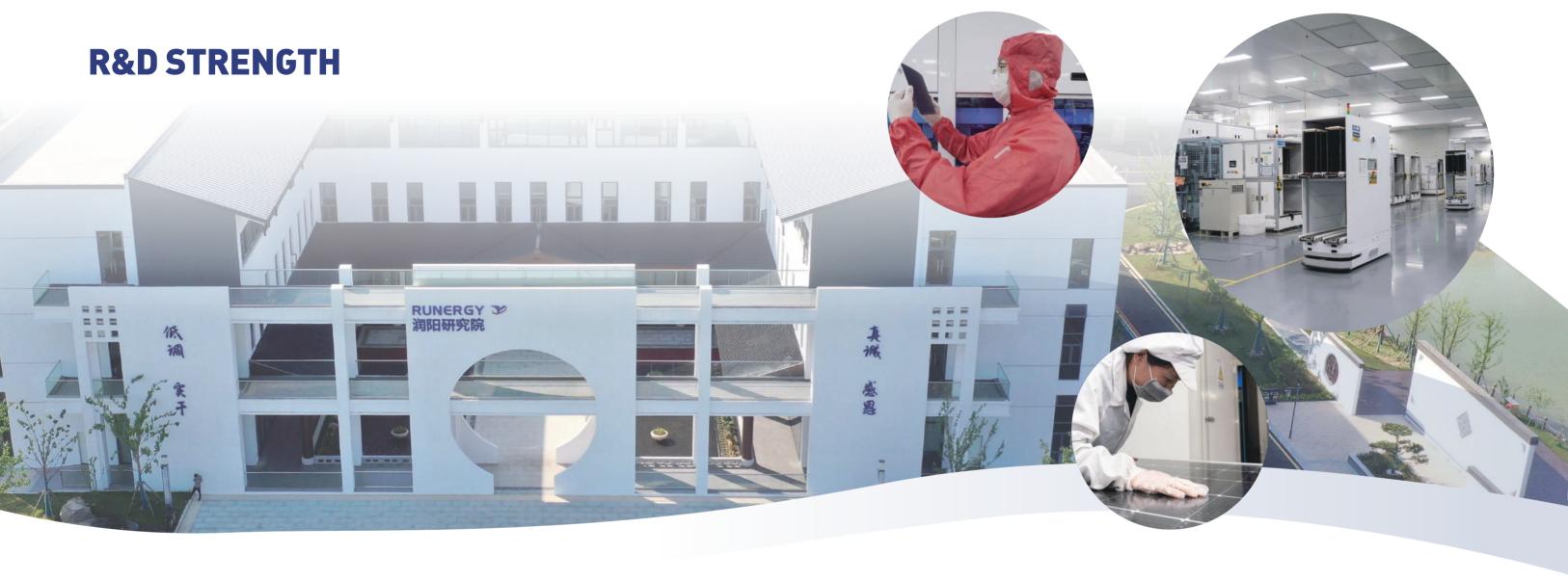
01-02 COMPANY PROFILE

BRAND HISTORY



GLOBALIZATION





Runergy Research Institute

The research institute is located in Yancheng, Jiangsu, with a total investment of **400** million RMB, and the company aims to build up a world's leading research and development institute. The institute includes a high-efficiency cell laboratory, a physical characterization and simulation laboratory, a chemical testing and analysis laboratory, a product reliability laboratory, and a big data processing and analysis center, etc., equipped with various domestic and foreign advanced research and testing equipment and simulation software. There is also an ultra-high efficiency solar cell testing line for new product development, process trials and testing.

The Photovoltaic Research Institute currently has a research and development team led by Dr. Yang Yang, who serves as the director, and Professor Shen Hui as the honorary dean. The institute currently has nearly 200 staff members, including 50 with doctoral and master's degrees and more than 100 with bachelor's degrees.

>> Partial Achievements

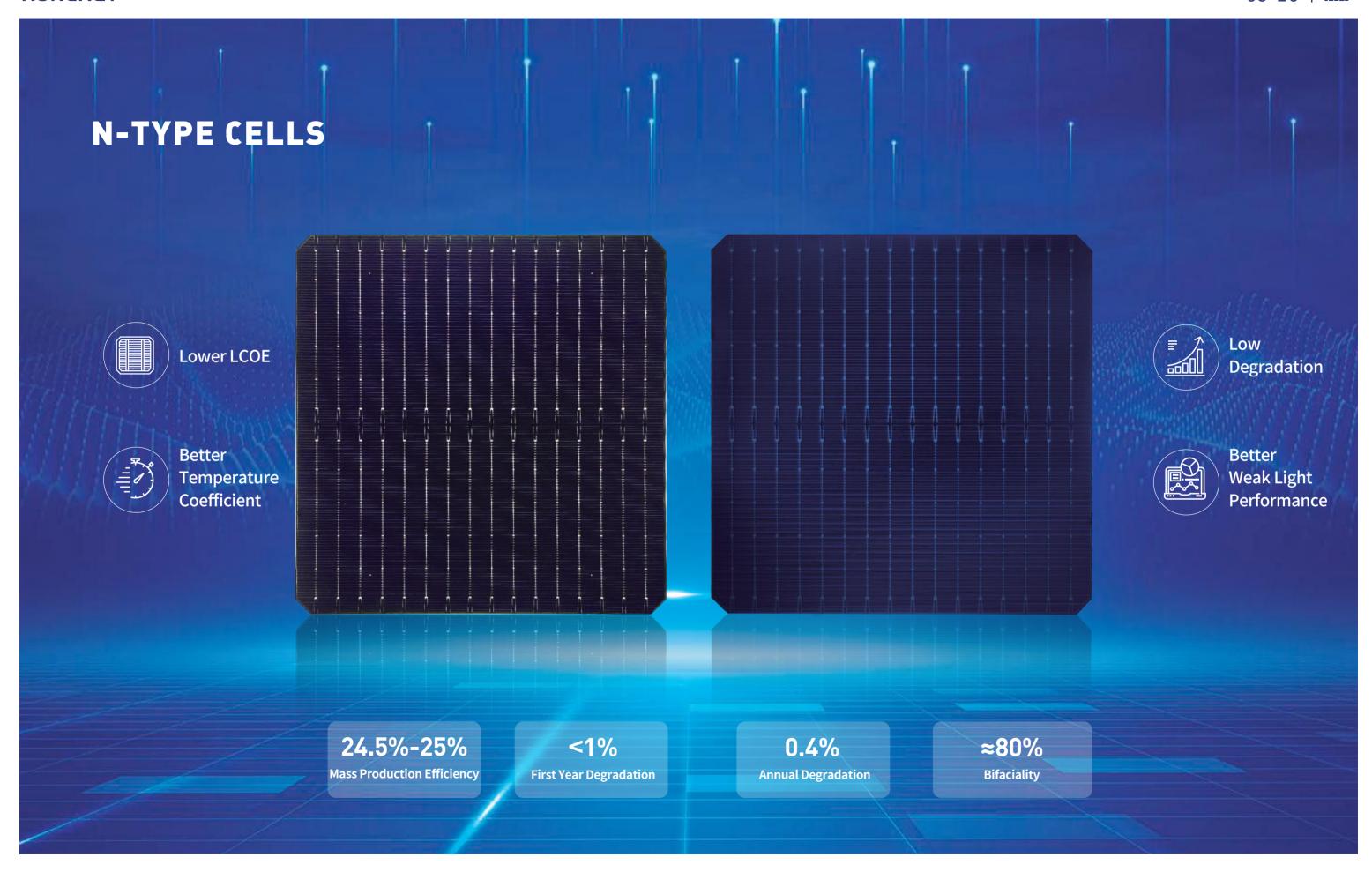
In the trial production, the efficiency of the next generation $\pmb{N\text{-type}}$ ultra-efficient cell exceeds $\pmb{25\%}$

Originated composite passivation film deposition technology, breaking foreign monopoly and achieving localization.

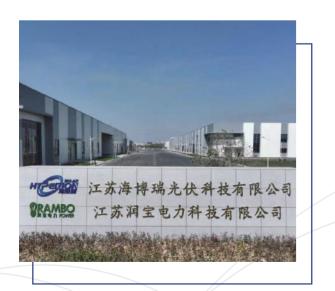
Take the lead in developing large-size and gallium-doped cell technology

Originated alkaline etching technology, which improves the photoelectric conversion efficiency

RUNERGY

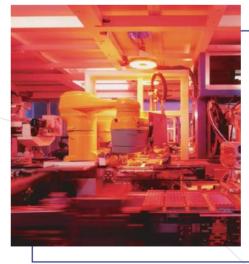






Our advantages

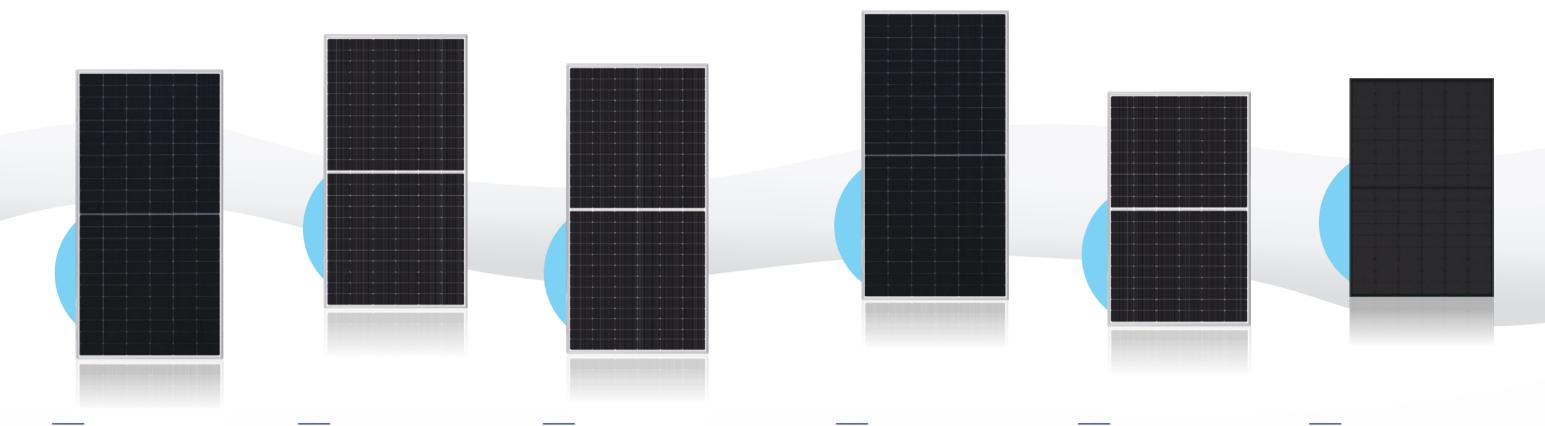
Hyperion is continuously committed to increasing product efficiency. With excellent technical strength and cutting-edge manufacturing capability, we are dedicated to providing clients with high-power and high-reliability photovoltaic products. The module production plants are all equipped with internationally advanced automatic assembly line, in combination with the original big data platform to track every process, including raw material suppliers, operation personnel for each process, every online detection result, and production date, etc. These can all be viewed and archived online through the ERP system. Through intelligent management and advanced manufacturing equipment, the overall mass production process is controlled at 18 steps, the single-line single-shift production capacity can reach 2300pcs, ranking top in the industry.







SOLAR MODULES



DH144P8 530-550Wp 144 cells, P-type double-glass module

- Maximum Power at STC (Pmax/W): 550Wp
- Maximum Module Efficiency:21.3%
- Power Tolerance (W):0~+5W
- Dimensions:2278*1134*35mm
- >> Applicable to ground-mounted projects

DH144N8 560-585Wp 144 cells, N-type double-glass module

- Maximum Power at STC (Pmax/W): 585Wp
- Maximum Module Efficiency: 22.6%
- Power Tolerance (W):0~+5W
- Dimensions:2278*1134*35mm
- >> Applicable to ground-mounted projects

DH156N8 600-625Wp 156 cells, N-type double-glass module

- Maximum Power at STC (Pmax/W): 625Wp
- Maximum Module Efficiency:22.4%
- Power Tolerance (W):0~+5W
- Dimensions:2465*1134*35mm
- >> Applicable to ground-mounted projects

WH144P8 535-555Wp 144 cells, P-type single-glass module

- Maximum Power at STC (Pmax/W): 555Wp
- Maximum Module Efficiency:21.5%
- Power Tolerance (W):0~+5W
- Dimensions:2278*1134*30mm
- >> Applicable to C&I rooftop projects

DH120N8 460-480Wp 120 cells, N-type double-glass module

- Maximum Power at STC (Pmax/W): 480Wp
- Maximum Module Efficiency:22.20%
- Power Tolerance (W):0~+5W
- Dimensions:1908*1134*30mm
- >> Applicable to C&I rooftop projects

DH108N8B 410-430Wp 108 cells, all-black N-type double-glass module

- Maximum Power at STC (Pmax/W): 430Wp
- Maximum Module Efficiency:22.0%
- Power Tolerance (W):0~+5W
- Dimensions:1722*1134*30mm
- >> Applicable to residential rooftop projects

RUNERGY

PV PROJECT





















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RUNERGY SOCIAL RESPONSIBILITY

SOCIAL RESPONSIBILITY



Runergy installed residential PV for farmers in Shanxi Province.



Runergy donated 6.5Kw solar PV projects to BAN TA LE NOI RAYONG.



Runergy launched school-enterprise cooperation with Suan Sunandha Rajabhat University.



Thai youth exchange group, "One Belt and One Road", visited our Thailand base.



A research group of universities from Chiang Rai visited our Thailand base.



Runergy obtained the Green Industry Level 3 certificate in 2023.

