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A GLOBAL PARTNER IN RENEWABLE ENERGY

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About Runergy



130,000 TONS



Ningxia's Polysilicon Production
Capacity Reaches 50,000 tons
Inner Mongolia's Polysilicon Production
Capacity Reaches 80,000 Tons

7GW



Vietnam's Wafer
Production Capacity Reaches 7GW

63GW



63GW total cell capacity
(27GW PERC+36GW N-Type) globally

TOP 3



Top 3 in global PV cell sales
by PV InfoLink from 2020 to 2022

23GW



23GW total module capacity
globally

13GW / 11GW



13GW cell capacity and 11GW module capacity
in Thailand and USA

Jiangsu Runergy New Energy Technology Co., Ltd, established in 2013, is a global leader in solar technology. Through strategic partnerships with Fraunhofer-ISE in Germany and UNSW in Australia, Runergy's solar cells have garnered widespread acclaim due to continuous independent innovation, effective execution, and meticulous process management.

Leveraging solar cell technology expertise, Runergy expanded its presence in the solar industry, with facilities including Ningxia polysilicon plant, Jiangsu cell & ultra-high efficiency cell plants, Jiangsu module plant, Thailand cell & module plant, and Yunnan ultra-high efficiency cell plant, ensuring global client demands are met.

Runergy is committed to delivering consistently high-quality products, offering a more transparent and efficient supply chain. This commitment assists us navigate market volatility and solidifies our reputation as a reliable and trusted brand.

Brand History

2013

Runergy was founded.

2015

Runergy expanded into the solar cell business.

2017

Runergy and Lu'an Photovoltaics established Luyang, a JV company producing PERC solar cells;

Runergy Yueda was established and Runergy's first PERC solar cell production facility began construction.

2018

RAMBO Power was established to develop the power plant business.

2019

Runergy entered overseas markets and the Solar Cell Production Facility in Thailand began construction.

2020

Phase I of the Thailand Facility commenced operations; Series C financing was successfully completed; The headquarters relocated from Kunshan to Yancheng, Jiangsu Province.

2021

Jiangsu Hyperion was established, marking Runergy's official entry into the module production business; Ningxia Runergy Silicon Material Project was commenced.

2022

Hyperion Module Production Facility began operation; The Silicon Material Production Facility in Ningxia began operation.

2023

The Cell Production Facility in Yunnan began operation; The Module Production Facility in Thailand began operation.

2024

The Ingot and Wafer Facilities in Vietnam began operation; The Module Production Facility in Alabama, USA began operation; Yueda Group becomes the largest single shareholder; Year-round BloombergNEF Tier 1 PV Module Manufacturer Status; "Very Good" rating from Dun & Bradstreet ESG Ranking.

RUNERGY

Global Footprint

ADVANCING THE GLOBAL ENERGY LANDSCAPE >>



Research & Development

Jiangsu, China
Research & Development

Shanghai, China
Research & Development

Financing Platform

Shanghai, China
Financing platform

Singapore
Financing platform

Office

Jiangsu, China
Headquarters

Shanghai, China
Supply chain

Singapore
Supply chain

Germany
Office

Polysilicon Facility

Ningxia Polysilicon Facility
50,000 tons of Polysilicon

Inner Mongolia Polysilicon Facility
80,000 tons of Polysilicon

Ingot and Wafer Facilities, Vietnam
7GW Wafer

Cell Facility

Jiangsu Cell Facility
21GW PERC Cell & 16GW N-Type Cell

Yunnan High-Efficiency Cell Facility
13GW N-Type Cell

Thailand Cell Facility
6GW PERC Cell, 7GW N-Type Cell in 2023

Module Facility

Jiangsu Module Facility
12GW Module

Thailand Module Facility
2GW P-Type Module, 7GW N-Type Module in 2023

Production Facility in Alabama, United States
2GW Module (Planned)

Globalization

65_{GW}

Accumulative cell shipment

24.87%

PERC cell efficiency record

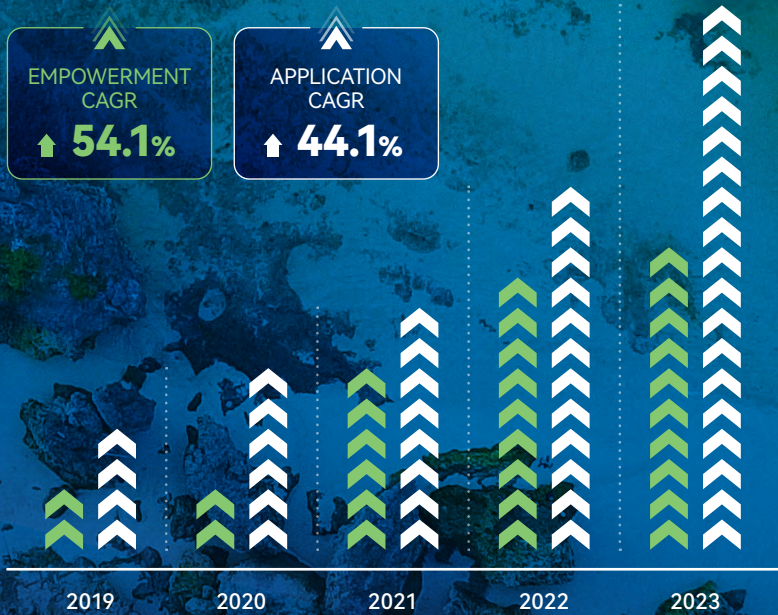
26%

N-type cell efficiency lab record

Patents

EMPOWERMENT CAGR
↑ 54.1%

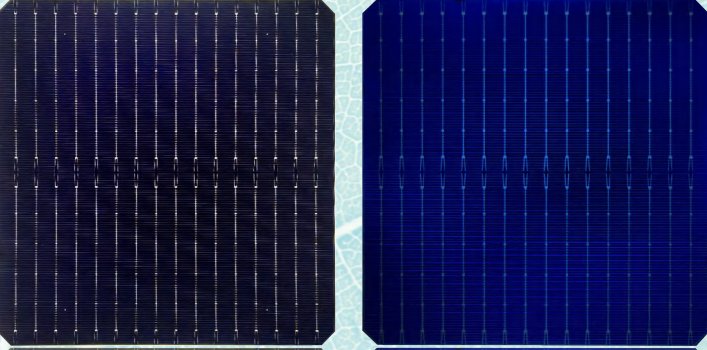
APPLICATION CAGR
↑ 44.1%



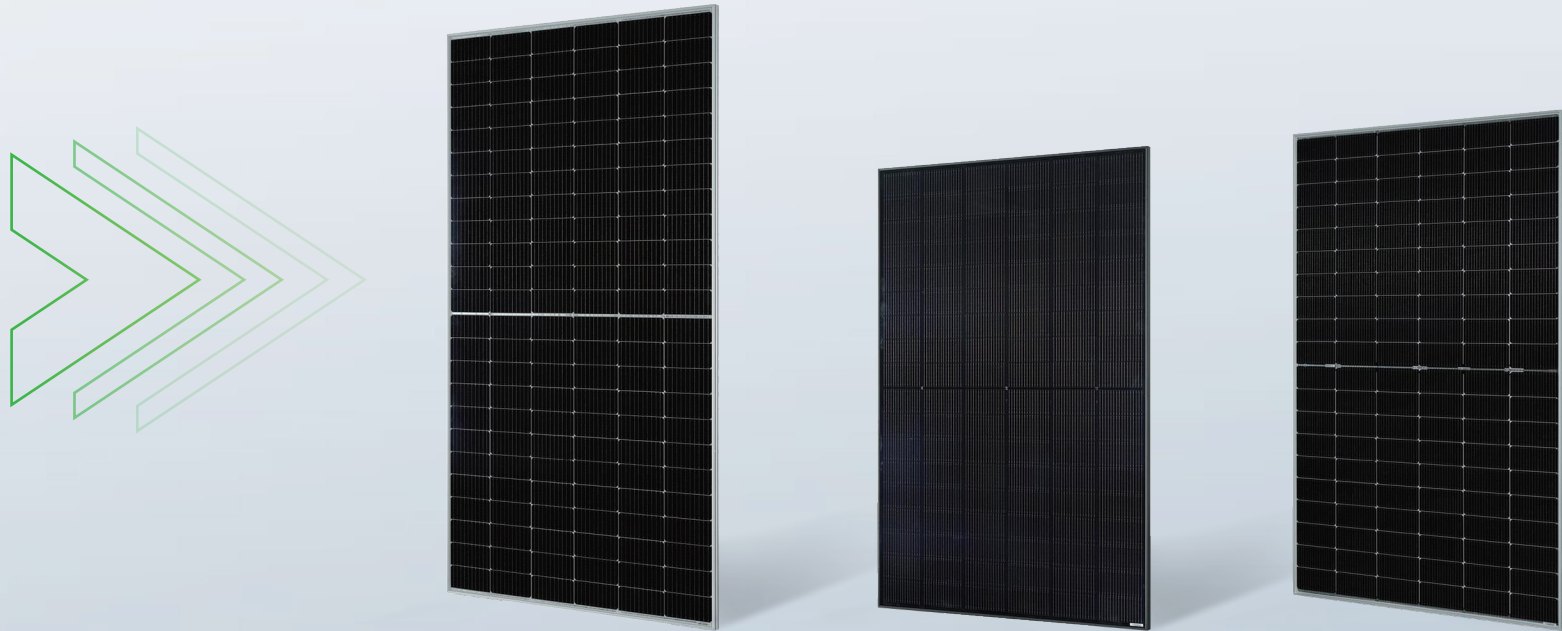
Leading Cell Manufacturer

N-Type Cells

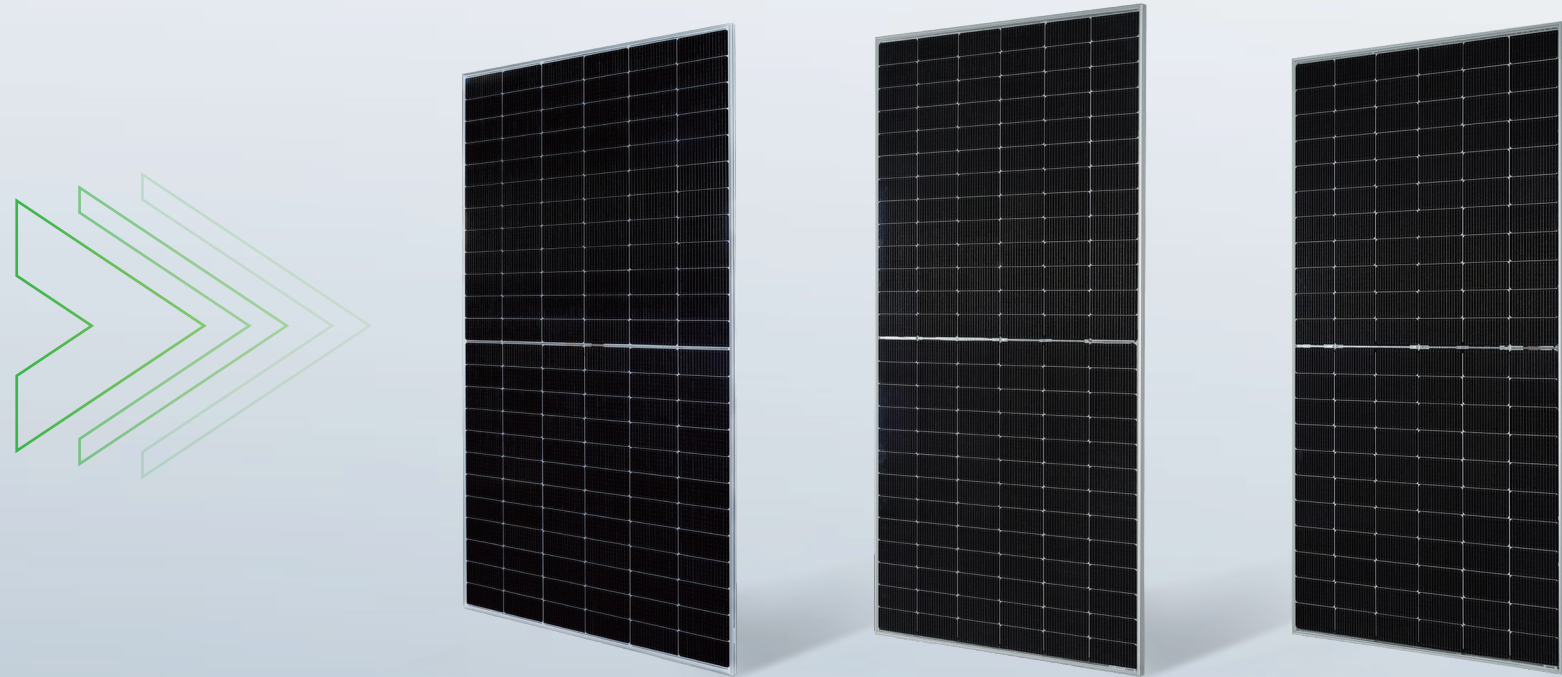
Better Temperature Coefficient	Lower LCOE
25%-25.5% Mass Production Efficiency	Low Degradation
<1% First Year Degradation	Better Weak Light Performance
0.4% Annual Degradation	≈80% Bifaciality



Solar Modules



Model	WH144P8 535-555W	DH108N12B 425-445W	DH120N8 465-485W
Maximum Power at STC (Pmax/W)	555Wp	445Wp	485Wp
Maximum Module Efficiency	21.5%	21.8%	22.2%
Power Tolerance (W)	0~+5W	0~+5W	0~+5W
Dimensions	2278 × 1134 × 35mm	1762 × 1134 × 30mm	1908 × 1134 × 30mm
Applicable Projects	C&I Rooftop	Residential Rooftop	Residential Rooftop



Model	DH144N9 590-615W	DH156N8 610-630W	DH132H10 700-730W
Maximum Power at STC (Pmax/W)	615Wp	630Wp	730Wp
Maximum Module Efficiency	22.6%	22.4%	23.2%
Power Tolerance (W)	0~+5W	0~+5W	0~+5W
Dimensions	2382 × 1134 × 30/35mm	2465 × 1134 × 35mm	2384 × 1303 × 35mm
Applicable Projects	Ground-mounted	Ground-mounted	Ground-mounted



PV Project

» **100MW_p**

Ningxia Pingluo County
Centralized PV Project

» **50MW_p**

Jianhu County
Distributed PV Project

» **4.8MW_p**

Runergy Yueda
Distributed PV Project

» **3.4MW_p**

Zhongheng Pet Articles
Distributed PV Project

» **7.8MW_p**

Runergy Century
Distributed PV Project

» **5.5MW_p**

Runergy Jianhu
Distributed PV Project

» **3.0MW_p**

EPC of CHIN POON
Distributed PV Project

» **3.0MW_p**

Fengguan Distributed PV Project

Core Members

Dr. Tao LongZhong

Chairman and General Manager of Runergy

Founded in 2013 by Dr. Tao LongZhong, Runergy has flourished under his leadership as Chairman and General Manager. Dr. Tao has guided the company to produce high-efficiency, quality monocrystalline cells, earning a strong industry reputation. Runergy continues its rapid growth, significantly contributing to the global green power initiative.

Dr. Tao Longzhong has been engaged in photovoltaic research for many years and obtained multiple patents.

Core Members

Dr. Yang Yang

Chief Technology Officer of Runergy and President of the Photovoltaic Research Institute



Dr. Yang has published more than 50 academic papers as the first author or coauthor in journals such as Progress in Photovoltaics and Energy Procedia and applied for more than 40 patents. Dr. Yang Yang has presided over one key R&D program (key project) of Jiangsu Province as the project leader, participated in four national key projects, two achievement transformation projects of Jiangsu Province, and one international sci-tech cooperation program of Jiangsu Province as a technical Backbone. In 2022, the project "R&D of Large-area Efficient Rear-contact Crystalline Silicon PV Cell Technology Based on Passivated Contact" (BE2022036) led by Dr. Yang Yang was granted a provincial special fund for innovation in technologies for achieving carbon peaking and carbon neutrality in 2022.

Dr. Chen RuLong

Vice President of Runergy Photovoltaic Research Institute



Dr. Chen RuLong, a distinguished technologist and academic, holds a doctoral degree and serves as a postgraduate supervisor. Recognized for his contributions in photovoltaic technology, he's a technical expert for China's Ministry of Science and Technology and a respected technopreneur in Jiangsu Province. As a visiting scholar at UNSW's Australian Centre for Advanced Photovoltaic and a key member of several technical committees, including IEC TC 82 and SEMI PV Standards, Dr. Chen's achievements include the SEMI Standards Special Contribution Award, contributions to the International Photovoltaic Quality Assurance Task Force, 14 authorized patents, and significant involvement in developing national and international standards.

Runergy Research Institute

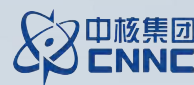
The Photovoltaic Research Institute in Yancheng, China has been established with an investment of around 60 million USD. The institute is poised to become a global leader in research and development. It features several specialized laboratories, including ones for high-efficiency cells, physical characterization and simulation, chemical testing and analysis, as well as product reliability.



Partners

SHARING SUCCESS AND GROWTH WITH PARTNERS >>

>> Customers



>> Commercial Banks



Sustainable Development

Since its inception, Runergy has produced a total of 50GW of photovoltaic products, annually generating 500 million kWh of clean electricity.

Runergy is committed to reducing the environmental impact of solar cell production through continuous, independent innovation. Collaborative efforts with Germany's Fraunhofer-ISE and Australia's UNSW propel sustainable technology advancement. The company's global strategy includes establishing production sites worldwide, creating jobs, upholding employee rights, and ensuring a transparent, high-quality supply chain. Moreover, Runergy maintains robust internal operations and transparency, backed by standardized management practices, to guarantee integrity in all its endeavors.

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