JOLYWOOD

The world's leading manufacturer of n-type high-efficiency modules

Same
Sunshine
More Value

Jolywood (Taizhou) Solar Technology Co., Ltd.

Address: No. 6, Kaiyang Road, Jiangyan Economic Development Zone, Taizhou City, Jiangsu Province, China
Tel : +86-523-80612799

About Jolywood

279	121	158
Granted Patents	**Invention Patents**	**Utility Model Patents**

*As of the end of 2023

Founded in 2008 and publicly listed in 2014 (Stock code SZ300393), Jolywood (Suzhou) Sunwatt Co., Ltd. (hereinafter referred to as Jolywood) is a state-level high-tech enterprise specializing in the R&D and manufacture of solar power products and associated technology. In 2023, Jolywood transitioned into a majority-owned subsidiary under Zheneng Electric Power, a company affiliated with Zhejiang Provincial Energy Group Company Ltd. (hereinafter referred to as "ZEG")

Additionally, Jolywood boasts several development and experimentation platforms, including the CNAS-Accredited laboratory, the TÜV NORD Witness Testing Laboratory, the TÜV SÜD Witness Testing Laboratory, the TÜV Rheinland Testing Laboratory, UL Witness Testing Laboratory, as well as the Jiangsu Film Engineering Technology Research Center.

About Zhejiang Provincial Energy Group (ZEG)

20000+
Employees

USD 46 billion
Total assets

41.89 GW
Total installed capacity

As of the end of 2023

187.6 GWh
Power output

652.2 Gt
Coal supply

11.9 Gm^3
Natural gas supply

Just in 2023

Established in 2001, Zhejiang Provincial Energy Group (hereinafter as ZEG) headquartered in Hangzhou, which is mainly engaged in the fields of electric power source construction, electric & thermal power generation, development, trading & circulation of oil, coal and natural gas as well as energy- related technology, service and finance etc. ZEG is committed to build a cleaner, low-carbon energy system with high security and efficiency for our community.

Our Mission

Same Sunshine ， More Value

We adhere to the core of leading technology, driven by striving talents, centered on customer development, and focus on the green energy industry chain.

2008-2013 Establishment

- Jolywood Established
- Our FFC PV backsheet breaking the tech-monopoly

2014-2015 Listing

- Successfully listed with stock code SZ300393
- Expanding residential solar system services

2016-2018 Expansion

- Standing as one of the first Chinese enterprises to mass-produce n-TOPCon products
- Establishing the world's largest n-type PV product manufacturing base
- Boasting a 2.1GW production capacity for n-type PV cells

2019-2020 Breakthrough

- Exceeding 2.2GW, cumulative shipments of n-type bifacial photovoltaic modules and cells
- Cumulative shipments of photovoltaic backsheet exceed 100GW
- Initiating the release of Hauberk transparent mesh backsheet, driving the upgrade of bifacial products

2021-2022 Strengthening

- Starting constructing a 16GW solar cell factory in Shanxi province
- Exceeding 5GW in global shipments of PV cells and modules
- Exceeding 210GW in global shipments of PV backsheet
- Achieving 26.1% cell conversion efficiency in the lab
- Launching the Hauberk technology 2.0 backsheet products

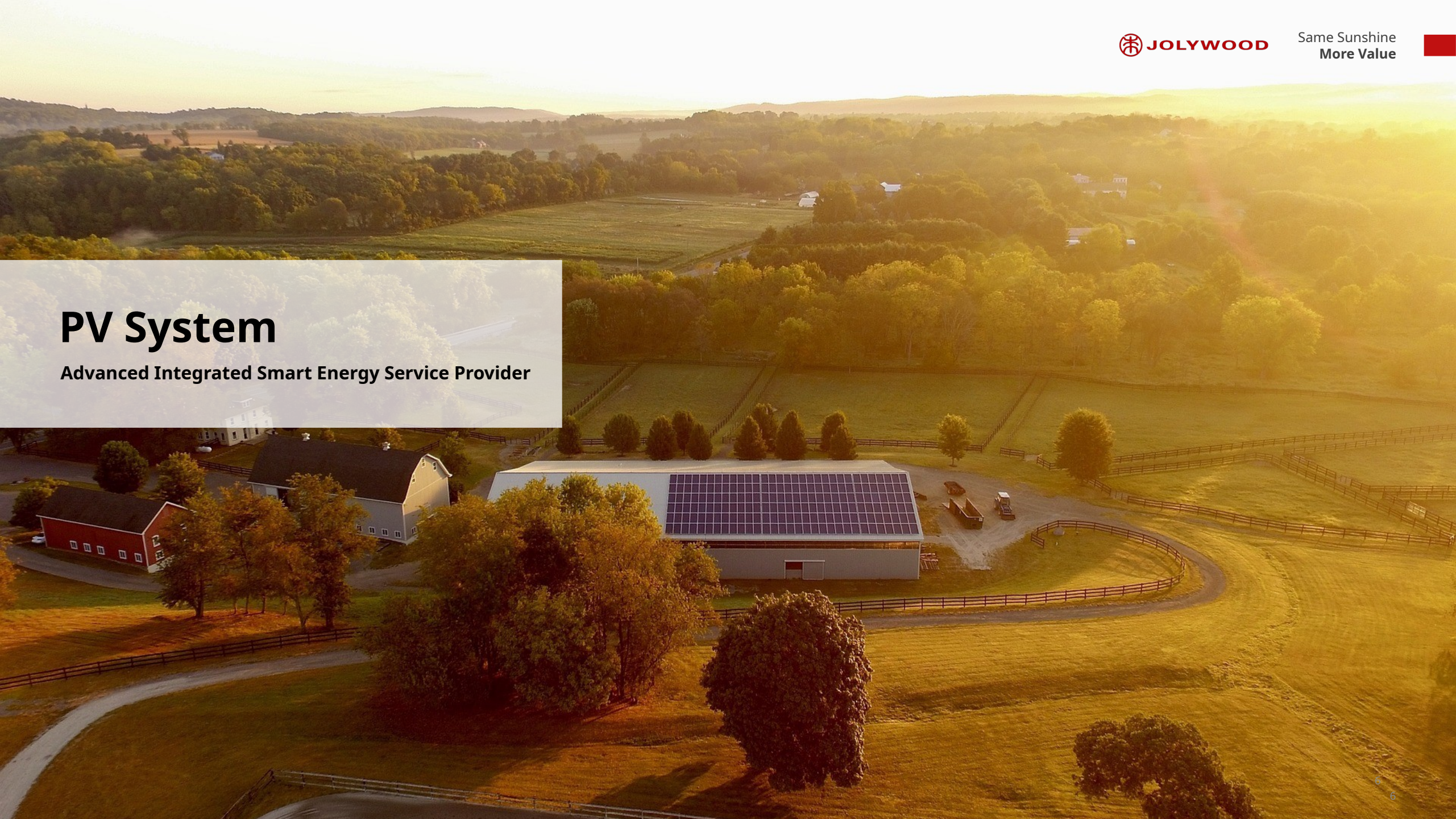
2023-2024 New Peak

- Becoming a subsidiary of Zhejiang Provincial Energy Group
- Achieving a 26.7% cell efficiency breakthrough in the lab, setting a new world record
- Maintaining the top global position in PV backsheet shipments
- Surpassing 10GW in global shipments of n-type PV modules and cells, with a cell production capacity approaching 20GW
- Introducing the n-type Tempered One-stop Encapsulation Solution

Development Strategy

One core leading, Dual-wheel driving

Focusing on the main photovoltaic industry chain,
and driving the growth with the integration of PV materials and PV system solutions.



PV System

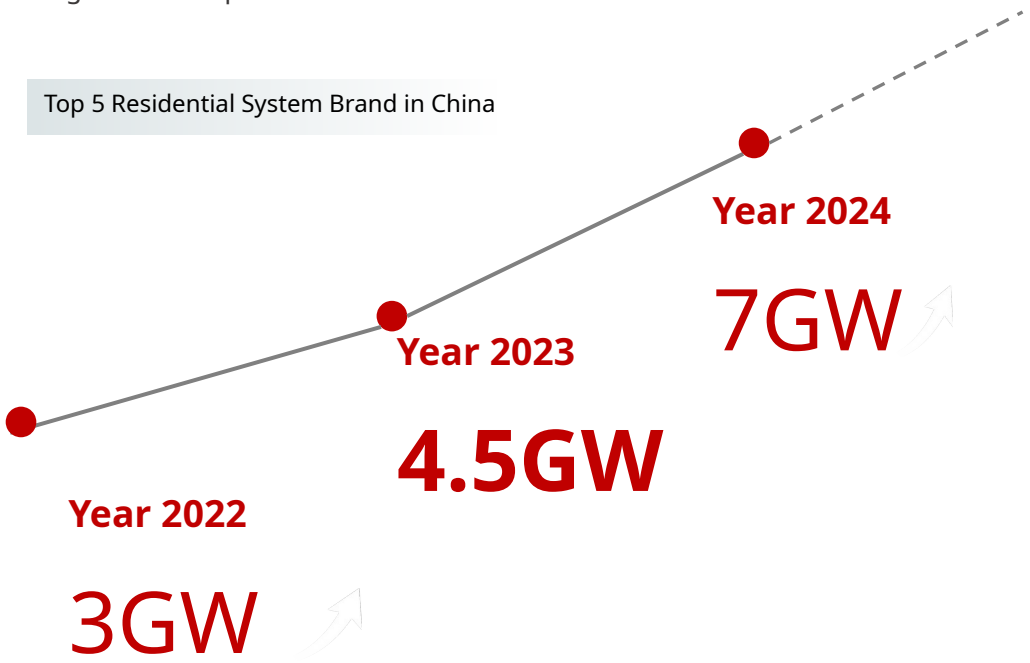
Advanced Integrated Smart Energy Service Provider

Distributed PV Power Stations

Commitment to new countryside, new production modes, and new consumption patterns

Jolywood Minsheng is dedicated to establishing itself as the leading brand in green energy B2C services within China, by focusing on the "Solar Town" distributed residential PV system, and leveraging its capabilities and experience in the development and management of Megawatt-level power stations.

Top 5 Residential System Brand in China



500+
More than 500 core distributors across China

190,000+
Managing, operating, and maintaining over 190,000 new energy household PV power stations

807
Covering 807 districts/counties in 24 provinces

*As of the end of 2023

Utility Scale PV Power Plants

Relying on innovations in technical integration and new business models, we focus on the development of comprehensive smart energy projects in rural and urban areas, as well as the cooperation and investment between central state-owned enterprises and government platforms.

EPC	CO -INVESTMENT	O & M
2GW/Year	2.5GW/Year	5GW/Year

PV Materials

The world's leading one-stop supplier of PV materials

PV Materials

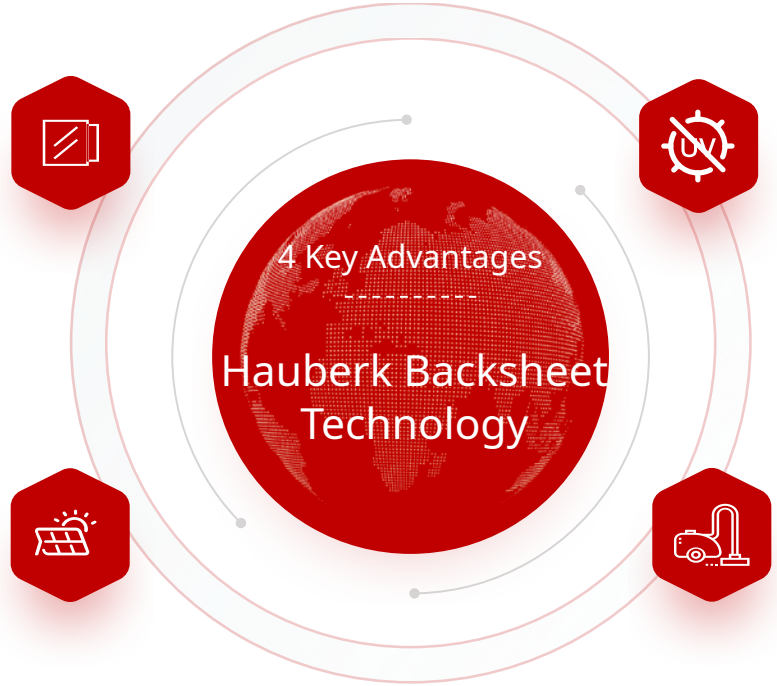
Ultra light transmittance

with a transmittance of **93%** in the transparent wavelength range of 400 to 1100 nm.

Higher power generation gain

(compared to dual-glass)

of **1.63%**.



Ultra reliability

having passed stringent testing with **500 kWh/m²** of UV exposure, fully meeting the 30-year usage requirements for components.

Active self-cleaning Technology property

PV Materials

- Supported 260+GW Power Plants Globally
- Top in Global Shipments for Three Consecutive Years

16 years' record of

0 complaints

Annual backsheet production capacity

320 million sqm

*As of the end of 2023

Global certification

Solar Cell

Leading supplier of n-type TOPCon cells

One of the world's largest single-unit AI-intelligent unmanned cell factories

Technical Advantage

- Adopting the new-generation n-type TOPCon non-wrap plating POPAID technology developed by Jolywood independently
- Innovatively applying PVD technology, leading to shorter process, lower reverse leakage risk, and higher yield

Production Scale

- Laying out 36 J-TOPCon high-efficiency cell production lines
- Full-line mass production of 16GW cells in 2024

Intelligent factory

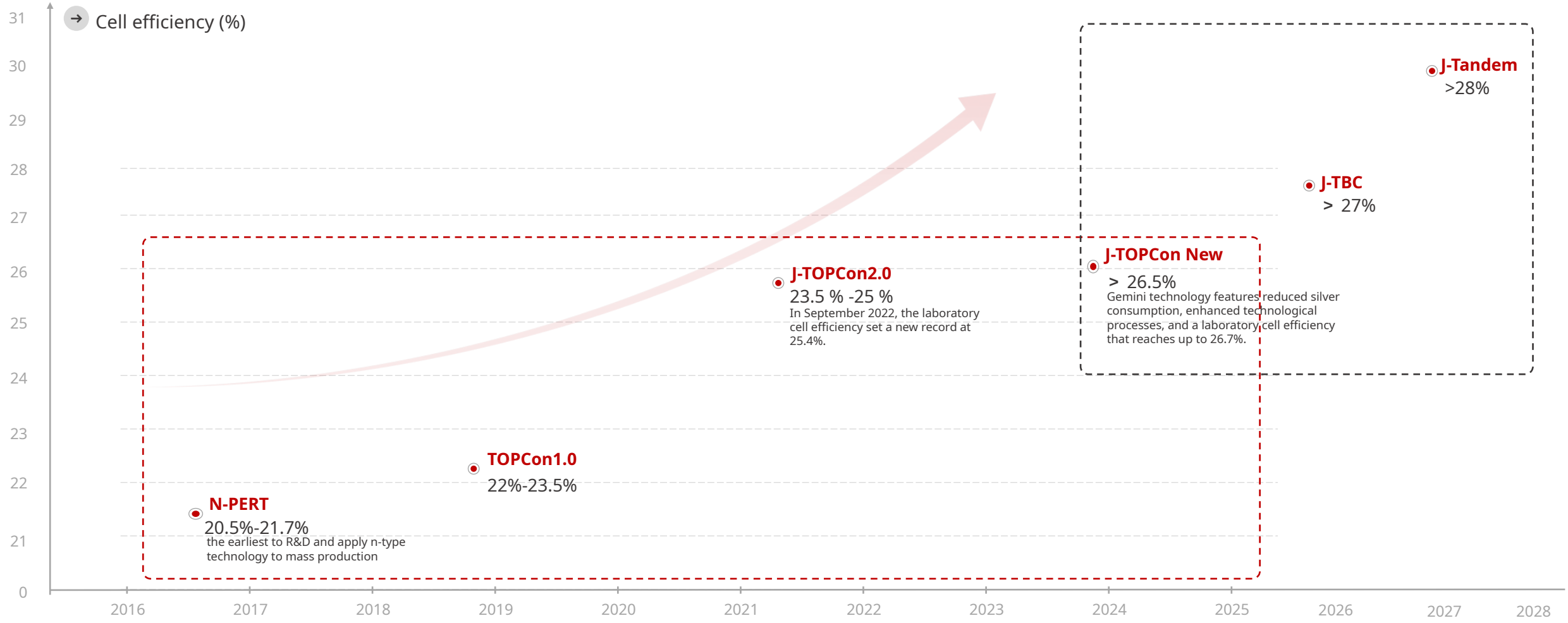
- One of the largest AI intelligent unmanned cell factories in the world
- Equipped with fully automated production equipment, 5G fully intelligent AGV material and product transmission system
- Adopting a fully digital and informatized MES management system

Contribution to Carbon Emission Reduction

- Green electricity output exceeding 20 billion kWh per year
- Equivalent to 2.55 million tons of standard coal equivalent
- Reducing carbon dioxide emissions by 16 million tons annually

*As of the end of 2023

Development route of Jolywood n-type high-efficiency cell technology



*As of the end of 2023

PV Module

The world's leading manufacturer of n-type high-efficiency modules

PV Module

- National High-tech Enterprise
- National Specialized, Fined and Innovative "Little Giant" Enterprise
- Included in the 2023 National 5G Factory Directory
- The first enterprise in the industry to be awarded both "National Green Factory" and "National Green Supply Chain Management Demonstration Enterprise"
- Equipped with a CNAS-accredited Photovoltaic Testing Center
- Provincial Intelligent Manufacturing Demonstration Plant
- Two Provincial Intelligent Manufacturing Demonstration Workshops
- Provincial Enterprise Technology Center and Provincial Engineering Technology Research Center

10GW
TOPCon module production capacity

11GW+
Global module shipment

Outstanding product efficiency and reliability

26.70% ↗
Jolywood n-type highest laboratory cell efficiency

23.29% ↗
Jolywood n-type highest module efficiency

Awards & Certifications

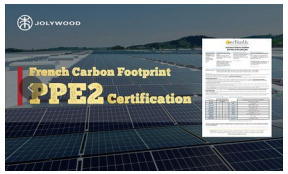
2019-2024
BNEF Tier 1 Module Manufacturers

2024 PVEL
PV Module Product Reliability Scordcard Top Performer

"NATIONAL PRODUCT SELECTION" TESTING CERTIFICATE FOR WEATHERING RESISTANCE IN ALL APPLICATION SCENARIOS

Certificate of n-TOPCon Single Glass Bifical PV Module Enhanced Reliabilty

First IEC certification of new standard for n-TOPCon Bifical PV modules with transparent backsheet



French Carbon Footprint PPE2 Certification

Guaranteed Product Quality and Performance

Product design

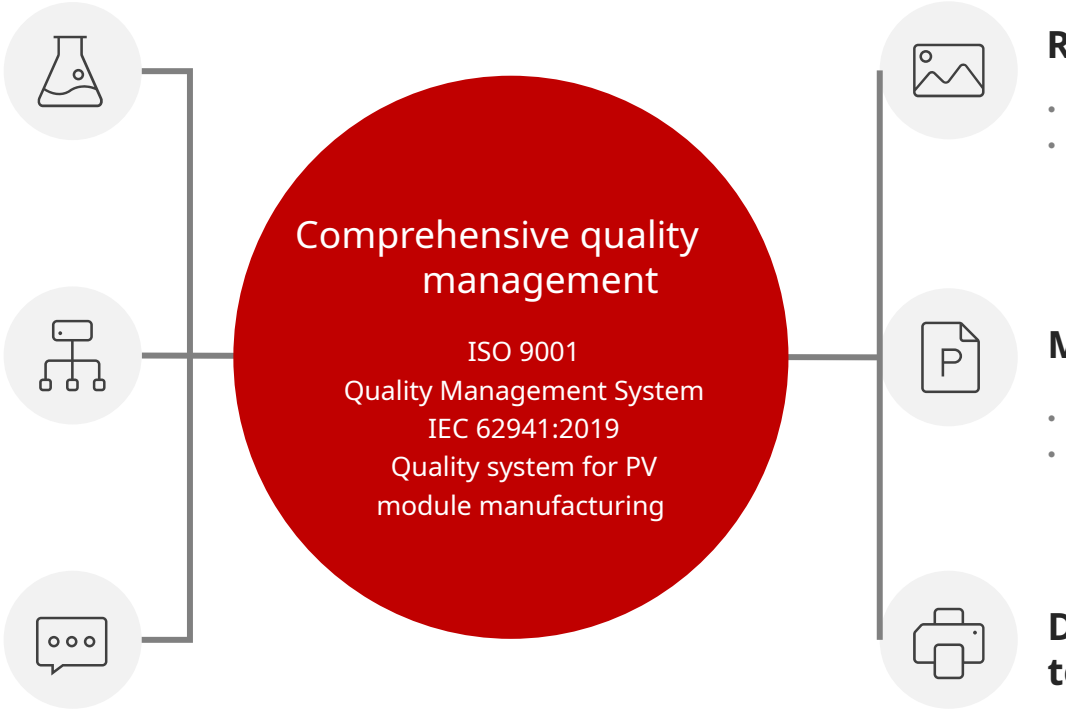
- Build theoretical models of photovoltaics
- Combine theory with experience

Material selection

- Select suppliers with sound financial performance
- Module materials must pass the rigorous reliability test
- Standardized product and material

Integrated supply chain

- Strong capacity of the solar cell and PV module
- Self-developed auxiliary material of film and backsheet has ranked 1st in global shipment for 3 consecutive years
- Long-term strategic cooperation with first-tier suppliers in China



Reliability test

- Subject to rigorous internal reliability test
- Advanced enterprise laboratory recognized by the third party and perform excellently in the strict test

Manufacturing

- Highly automated production line
- Multiple levels of quality assurance like base quality, headquarters quality and marketing supervision

Demonstration of outdoor testing

- Validate the power generation performance and reliability of products through both theory and demonstration
- Joint demonstration with authoritative third-party institutions and customers

Technology-Leading

Uphold the mission of “Same Sunshine, More Value” while being an “Cultivator of Green Energy"

Continuous Upgrade of Efficiency

n-type Module Mass Production

Focusing on the production and R&D of n-type module since 2016, Jolywood was the first company in China to achieve mass production of n-type module.

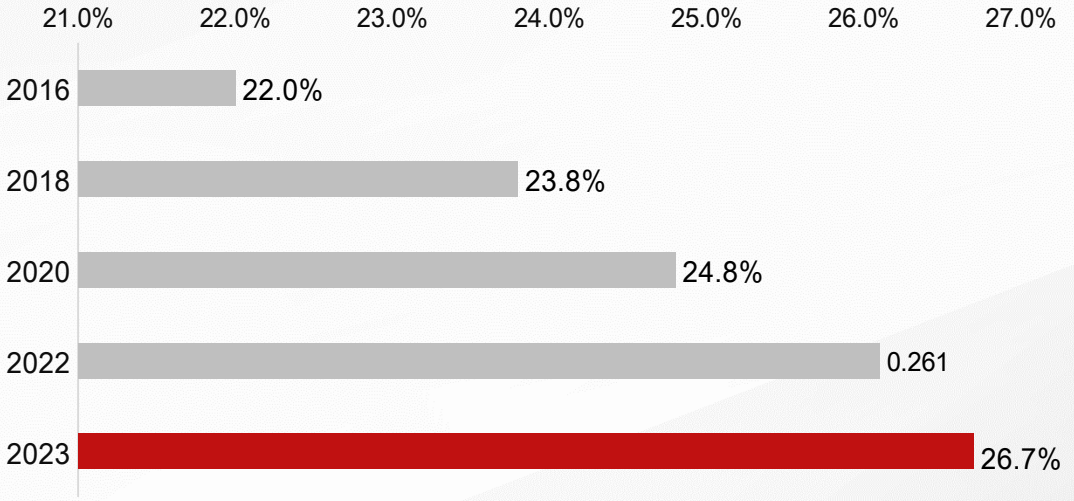
Production Line Upgrade

In 2019, the production line of Jolywood was fully shifted from n-PERT to n-TOPCon.

Leading efficiency

Jolywood has been taking the lead in R&D and production efficiency of the n-TOPCon solar cell, with the lab efficiency of n-TOPCon cell at the record of 26.7%.

Innovation of Jolywood n-type cell lab efficiency



CPVT 国家光伏质检中心

Jolywood M10 bifacial n-type TOPcon Efficiency (2023.04)

Self-dependent Innovation - POPAID

JOLYWOOD

SELF-DEVELOPED POPAID CELL TECHNOLOGY

Plasma Oxidation & Plasma Assisted Insitu-doping Deposition

J-TOPCon New: POPAID technology+ less silver consumption+ shorter process

POPAID Technology Core Advantages

1

Shorter Process

Compared with the existing route, the POPAID route shortens 4 process steps.

2

Higher Efficiency

By utilizing Jolywood latest technolgy, the average efficiency of mass-produced cells is over 26%, and the laboratory efficiency reaches 26.7%

3

Higher Yield

Jolywood POPAID technology can reduce the manufacturing steps hence to increase the yield

4

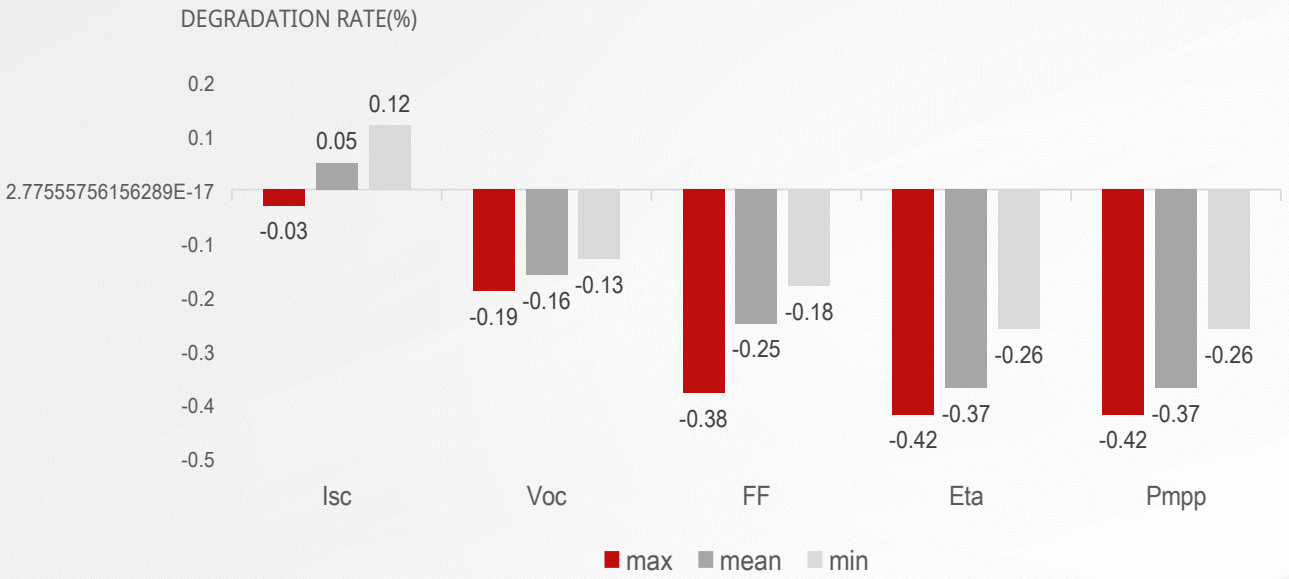
More Cost-effective

By using M10 size solar cells and POPAID technology, the equipment investment of n-TOPCon similiar as PERC for GW size project.

No LID and Low Risk of LeTID

No LID

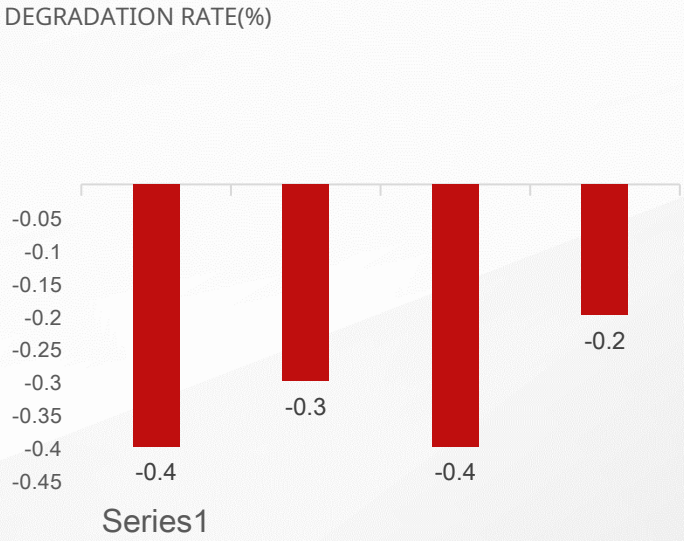
n-type module has no LID and performs well under third-party (Fraunhofer ISE) test.



Characteristics change of Jolywood Bifacial n-TOPCon module after LID test
Test Agency: Fraunhofer ISE
Test Condition:20kWh/m²

Low Risk of LeTID

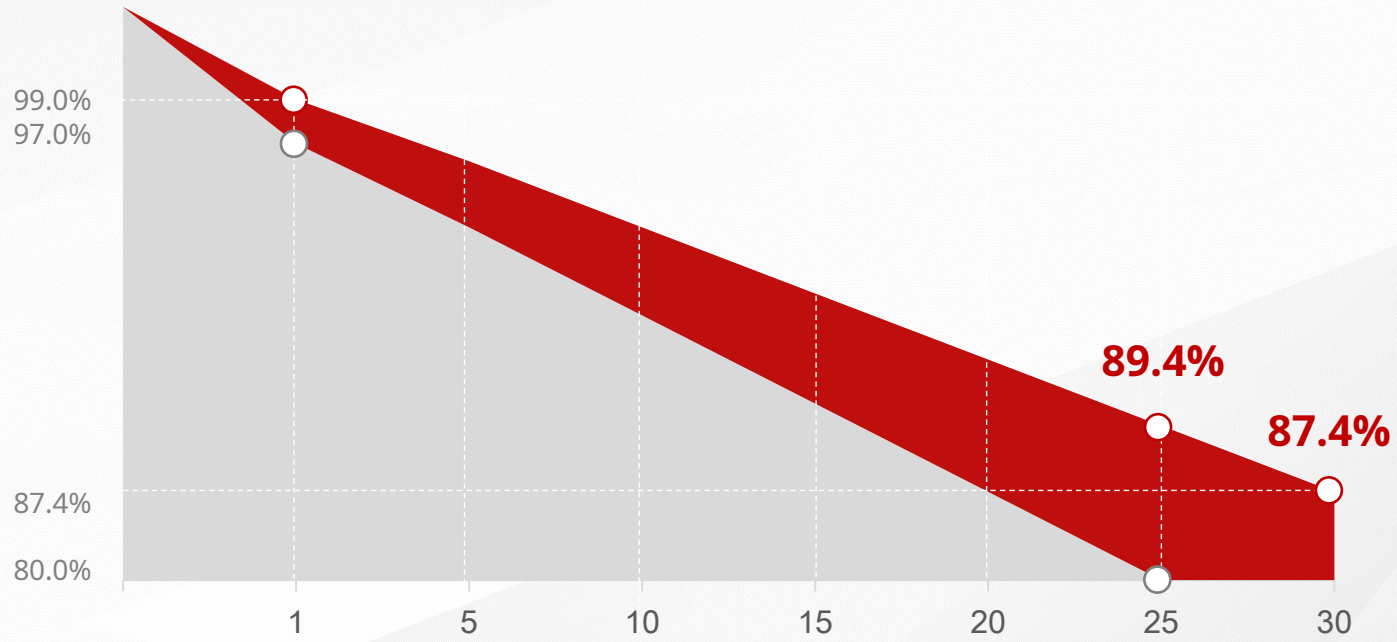
Jolywood n-TOPCon products have naturally low LeTID with the advantages of n-type cell structure.



Characteristics change of Jolywood Bifacial n TOPCon module (after LID test) after LeID test
Test Condition:75℃,current:2x(Isc-Imp),162 hours/round

Leading Product Guarantee of Degradation

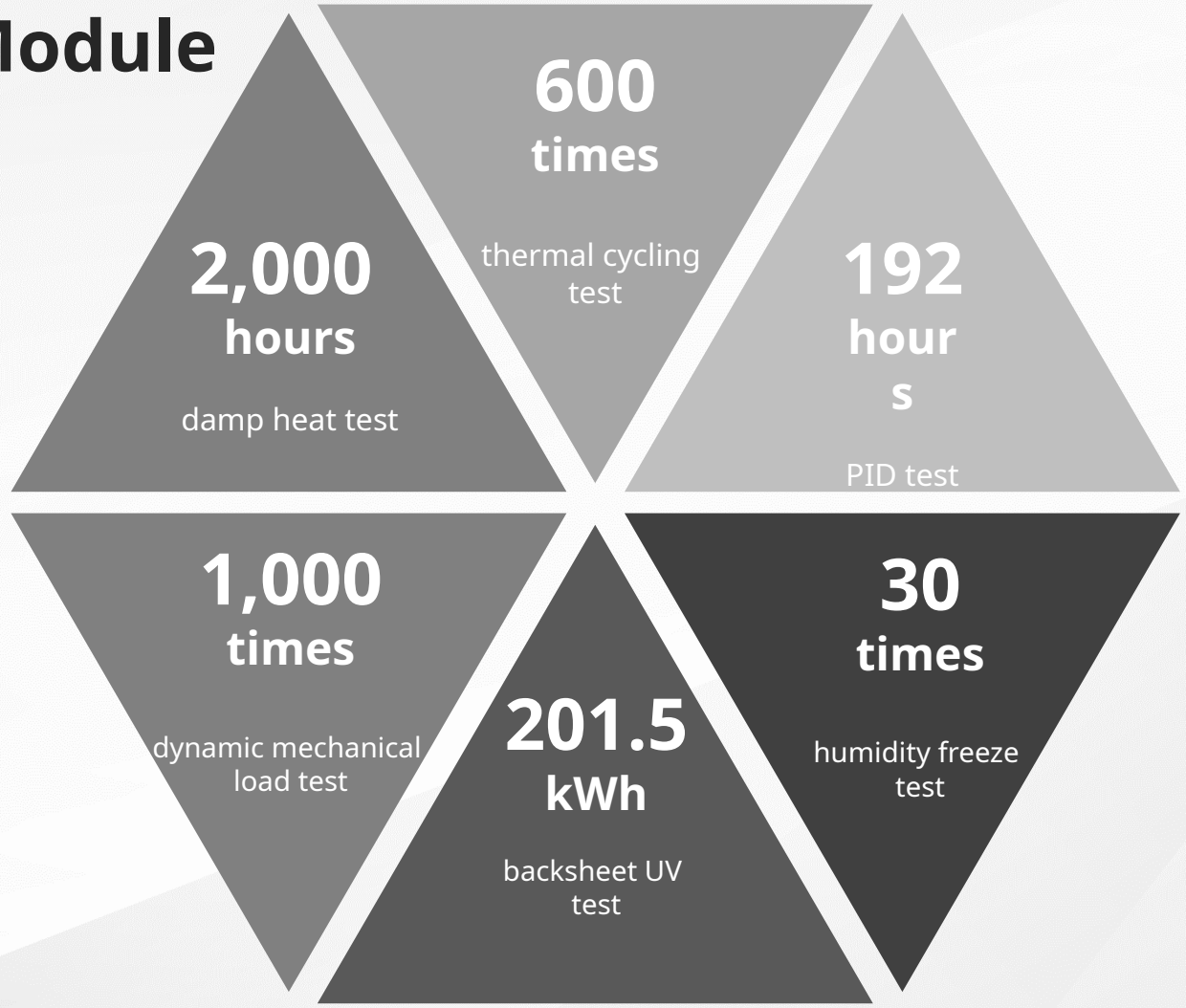
- **Degradation ≤ 1% in the first year.**
- **Linear degradation of bifacial modules ≤ 0.40%**



Third-party evaluation of product quality & performance

PVEL "Best Performance" Module Manufacturer in 2024

TOP PERFORMER 2024 kiwa PVEL PV MODULE RELIABILITY SCORECARD



Product Demonstration and Solution

Uphold the mission of “Same Sunshine, More Value” while being an “Cultivator of Green Energy"

n-type high-efficiency modules

JW

High reliability-High efficiency -Low electricity costs

n-type TOPcon cell

Rectangular Cells

Half-cut technology

High-efficiency modules for reduced BOS costs

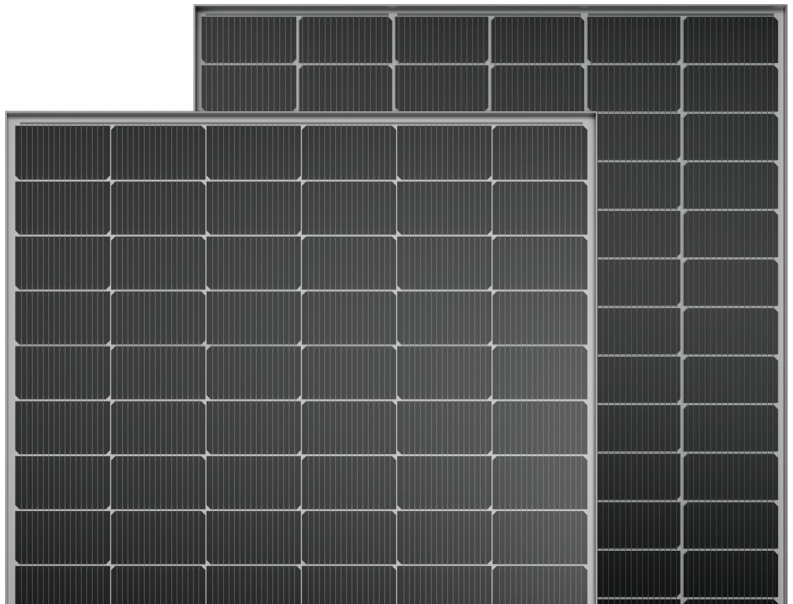
Commercial & Industrial applications

Utility-scale solar stations

Residential rooftops

Commercial & Industrial applications

Both series can be applied with Windproof module technology which adopts n-type Tempered One-stop Encapsulation Solution



NIWA

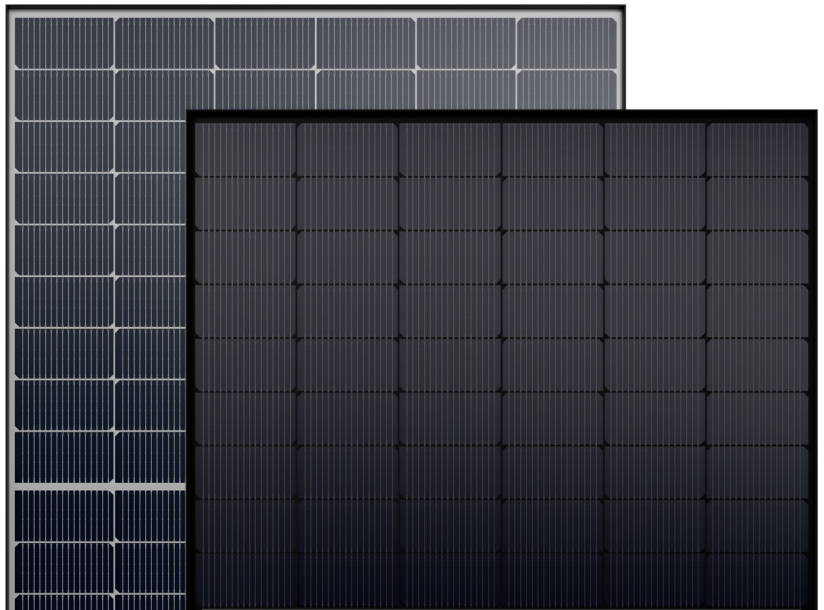
All black - Aesthetic design- Light weight

Zero leakage for improved safety

Half-cut technology

Multi busbar technology

n-type TOPcon cell



Recommended Products for Different Scenarios

Residential System

Power generation for a better life

Apply to various rooftops with maximum installation capacity

NIWA

54c / 60c

+

PV experts for households

C&I Distributed Power Station

Generate power in every inch of buildings

The most-effective scenario

NIWA JW

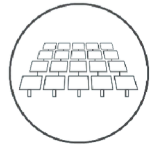
54c / 66c / 72c / 78c

+

Focus on distributed PV system

Utility-Scale projects

Outstanding energy yield for PV power plants



The most cost-effective choice

JW

72c / 78c

+

Tailormade solutions for power stations

Both series can be applied with Windproof module technology which adopts n-type Tempered One-stop Encapsulation Solution

PV Module

Series	Model	Type	Output Power	Module Efficiency	Size	Weight
JW Pro	HD144N	n-TOPCon	595W	23.0%	2278mm*1134mm*30mm	31.5kg
	HT144N	n-TOPCon	600W	23.2%	2278mm*1134mm*30mm	26.6kg
	HD156N	n-TOPCon	645W	23.1%	2465mm*1134mm*30mm	34.5kg
	HT144N-Windproof	n-TOPCon	600W	23.2%	2278mm*1134mm*29mm	28.0kg
JW Plus	HD132N	n-TOPCon	625W	23.1%	2382mm*1134mm*30mm	33.3kg
	HT132N	n-TOPCon	625W	23.1%	2382mm*1134mm*30mm	29.7kg
	HT132N-Windproof	n-TOPCon	625W	23.1%	2382mm*1134mm*29mm	29.1kg
JW M...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Series	Model	Type	Output Power	Module Efficiency	Size	Weight
NIWA Light	HT120N	n-TOPCon	510W	23.1%	1950mm*1134mm*30mm	24.0kg
	HT108N	n-TOPCon	460W	23.0%	1762mm*1134mm*30mm	21.7kg
NIWA Pro	HD120N	n-TOPCon	515W	23.3%	1950mm*1134mm*30mm	27.3kg
	HD108N	n-TOPCon	460W	23.0%	1762mm*1134mm*30mm	21.2kg
NIWA Black	HT120N	n-TOPCon	510W	23.1%	1950mm*1134mm*30mm	24.0kg
	HT108N	n-TOPCon	460W	23.0%	1762mm*1134mm*30mm	21.7kg
	HD120N	n-TOPCon	515W	23.3%	1950mm*1134mm*30mm	27.3kg
	HD108N	n-TOPCon	460W	23.0%	1762mm*1134mm*30mm	21.2kg

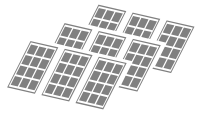
JW Series: Make More Scenarios Possible

Focus on the PV systems of commercial and Utility-scale projects

Greater power and higher efficiency reduces system BOS costs

Recommended scenarios

Industry and commerce



Utility-scale PV plant

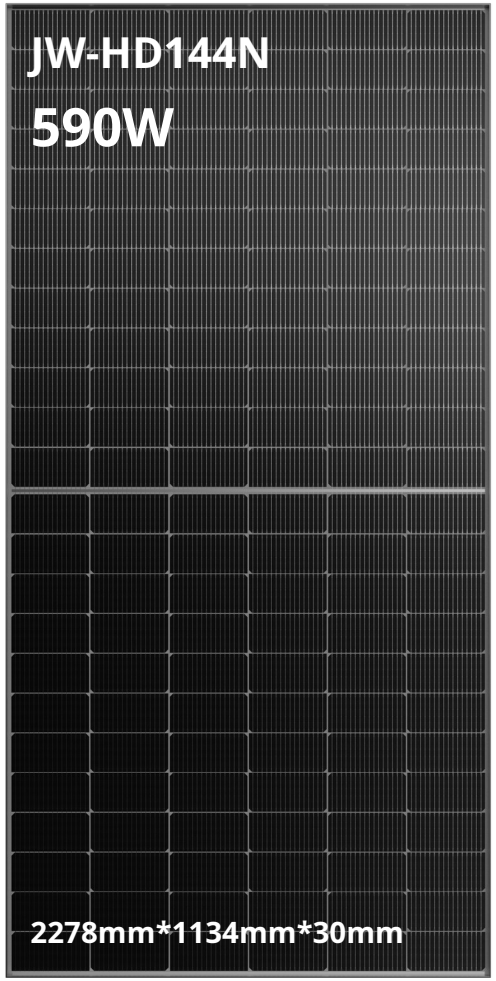
- **Higher power generation**

  Bifacial power generation
- **Excellent power generation performance**

  J-TOPCon New technology with shorter process and higher energy yield
- **Higher reliability**

  Naturally with no LID. Static loads of 5400Pa (front side) and 2400Pa (rear side)
- **Utmost safety performance**

  No electrical leakage.



M10

M10(182mm)
Mono-crystalline
Silicon Module

n-TOPCon

n-type TOPcon
Solar Cell

Damage-free
Half-cell Cutting
Technology

BOS

Low BOS costs
Higher ROI

JW Series: Rectangular Wafer Module

Design optimization on 182 cell

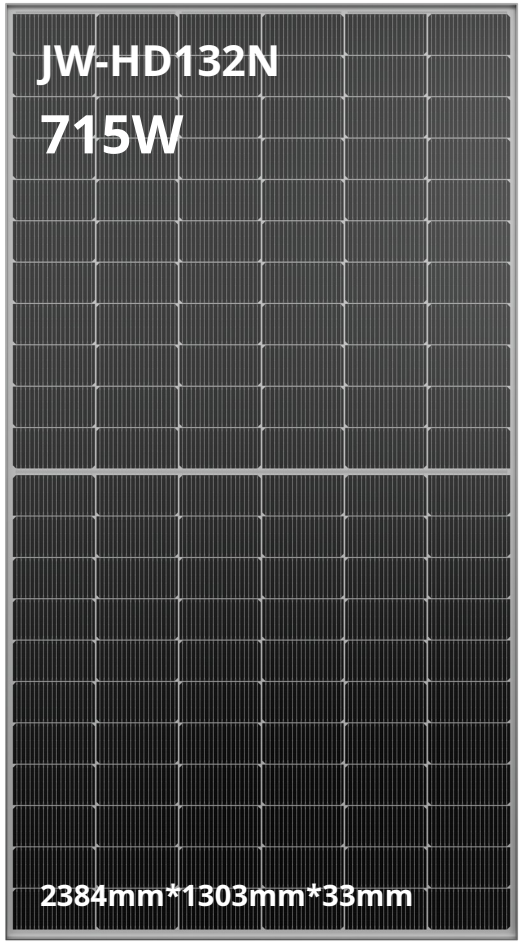
Higher power and lower cost

192R

182.2mm×191.6mm

210R

182mm×210mm



- **No polysilicon wrap around, more reliable**
- **Outstanding hot-spot resistance characteristics**
- **Maximize the use of container space and reduces transportation cost**
- **Single-glass module with FFC backsheet, achieving a lighter weight**

210R

Design optimization on 182 cell

n-TOPCon

Jolywood n-type Innovation Technology

Damage-free Half-cell Cutting Technology

BOS

Low BOS costs
Higher ROI

NIWA Black ： Best Choice for Residential

NIWA

All black, Aesthetic design and Light weight

Fabulous, safe, reliable and tailored for distributed system

Recommended scenarios

Residential rooftops

Commercial & Industrial applications

Jolywood NIWA products are mono-crystalline modules that apply efficient n-type TOPCon technologies and focus on residential systems. NIWA include Black, Pro and Light series at your choice.

Best all black aesthetic-design module series

The minimum weight of Light series is 20kg

NIWA **Blac k**

- Maximum power: 510W
- Maximum efficiency: 23.06%
- All black aesthetic design
- Model: HD108N / HT108N HD120N / HT120N
- The weight of modules ranges from 20~27.3kg

No electrical leakage, much safer for roof

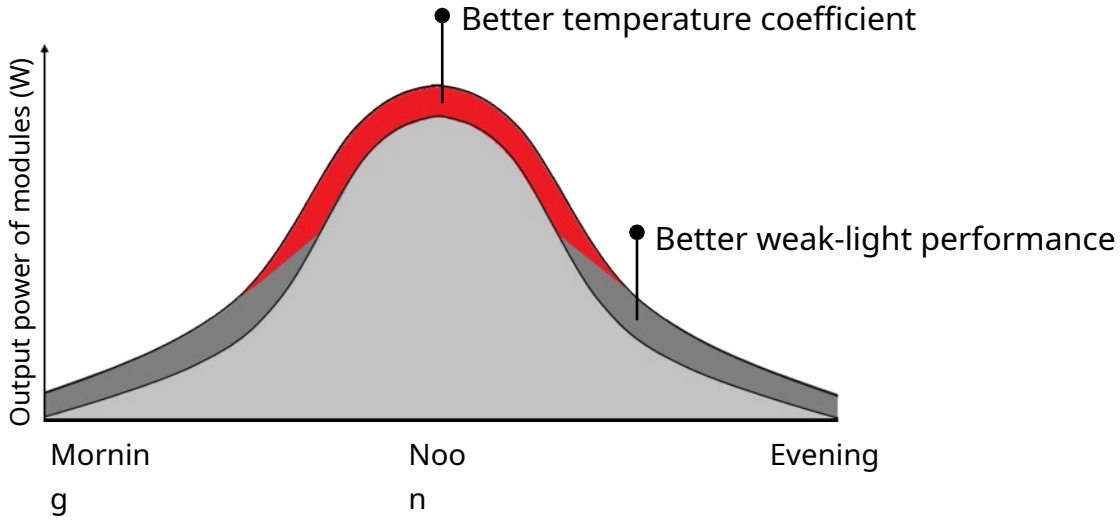
Damage-free Half-cell Cutting Technology

16BB Design

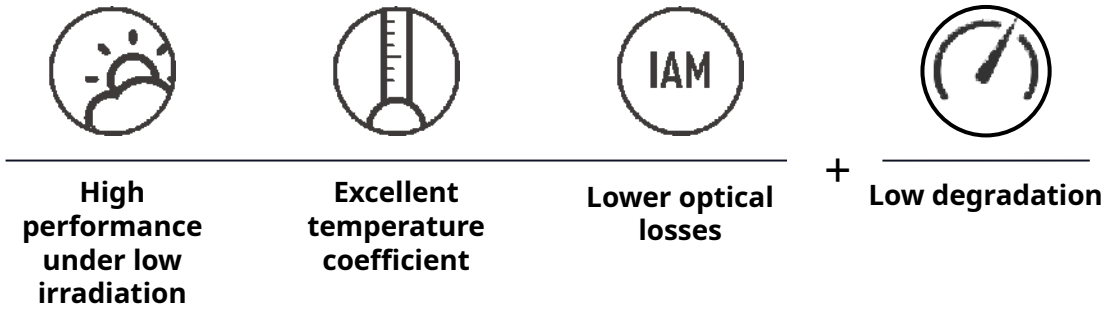
n-TOPCon

n-type TOPcon Solar Cell

Excellent Performance of Power Generation



- The structure of n-type module brings higher power generation and lower.



Reasonable Size &Weight for One Person to Handle

Women **Men**

20-27.3kg

- The reasonable weight for one person to carry ranges from 20~25kg, varying from region to region. For example, the maximum module weight specified in the United States is 50 pounds (about 22.7kg).
- The module should not be too longer than the worker's height and wider than the worker's arm span

Refers to the principle of BOS cost saving in

Windproof Technology

n-type Tempered One-stop Encapsulation Solution

BACKBONE Steel Frame + **Transparent (Mesh) Backsheet** + ***n*-type TOPCon Technology**

Double-beam structure

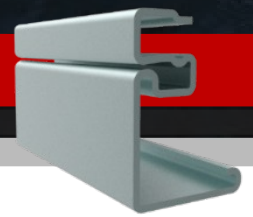
One layer of mesh double effect

J-TOPCon New

2.8mm tempered glass

Film + Cell + Film

Transparent Backsheet



BACKBONE steel frame

Quadruple Resistance Features

Hurricane Resistance

Ultra-high resistance to dynamic loads, passing the **+/-1000Pa** Dynamic Mechanical Load (DML) test with no abnormalities after **10,000 cycles**.

Snowstorm Resistance

Capable of withstanding a static mechanical load of **6600 Pa** in the front.

Hail Resistance

Can withstand hail impact of up to **45 mm**.

Burst Resistance

Tempered single-glass structure, reducing the risk of module burst.

Triple Lower Features

Low temperature coefficient

The bifacial single-glass TOPCon module has the temperature coefficient as low as –0.28%/°C, with excellent power generation performance and higher energy yield gain.

Low operating temperature

The operating temperature of single-glass module is low, reducing the loss of power generation caused by temperature and ensuring the more stable operation of the module in its life cycle.

Low hot-spot temperature

The power degradation caused by hot-spots is reduced, thus delaying the aging degree of modules, prolonging the service life of modules, and protecting the safe use of electricity.

Windproof Module

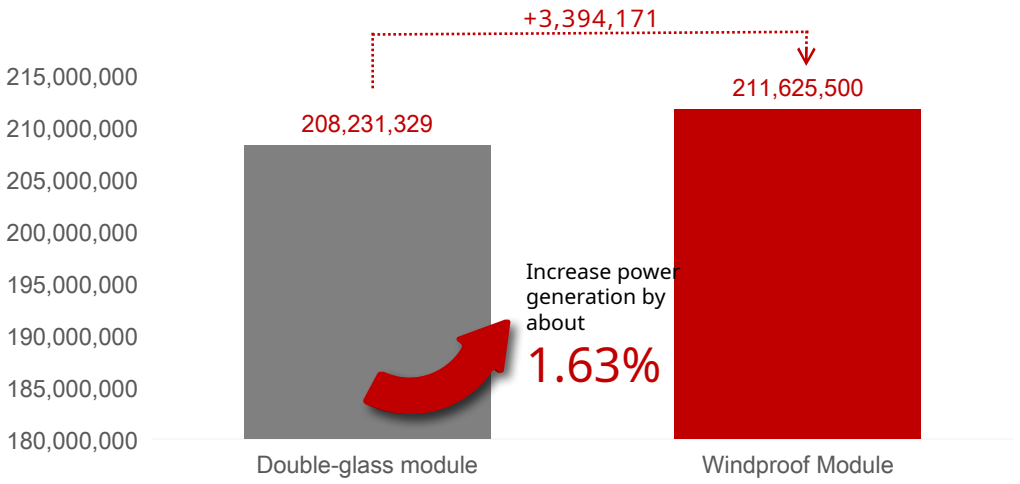
This includes higher customer value, lower carbon and environmental protection, high reliability, and high weather resistance.

Increased Energy Yield

Power generation increased by about

↑ 1.63%

Base on the results of CPVT outdoor demonstation, the energy yield of windproof modules is 1.63% higher than that of conventional dual-glass modules.
For a 200MW project. It's about 3.39M kWh per year.



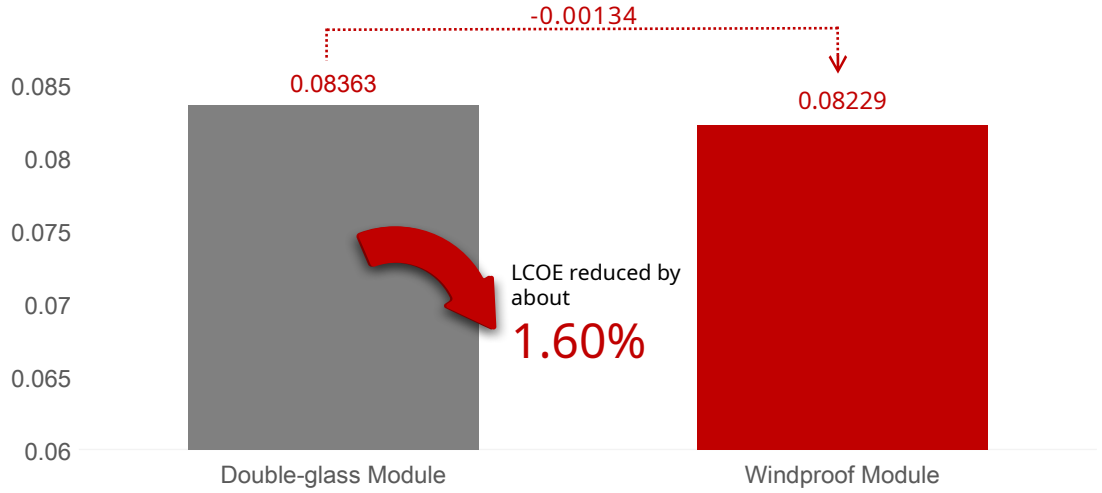
Annual average power generation(kWh)

Reduced Cost

LCOE reduced by about

↓ 1.60%

Taking the 200MW project as an example, under the same conditions, the LCOE using windproof module is reduced by 1.60% compared to the conventional dual glass module.



LCOE(RMB/W)

Measured project location: Xi'an Project volume: 200MW

Lower Carbon Emission

Differences in module auxiliary materials such as glass/backsheets and frames all contribute to differences in carbon emissions.
The carbon emission is reduced by **-10.19%** and the weight is reduced by **-11.00%** compared to the dual-glass module.

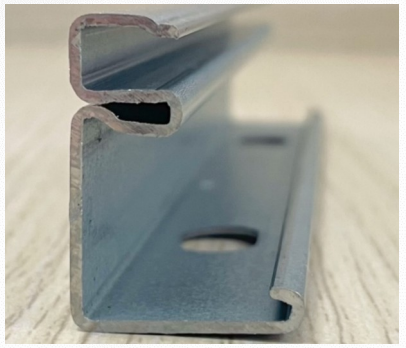
Windproof Module

2.8 mm Tempered glass

Film + cell + film

Transparent backsheet

\+



BACKBONE steel frame
Double-beam structure

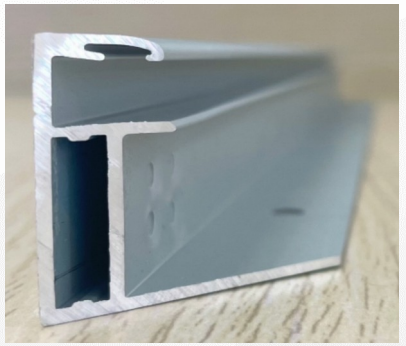
Double-glass Module

2.0 mm Heat-strengthened glass

Film + cell + film

2.0 mm Heat-strengthened glass

\+



Conventional aluminum frame

PV Module

Residential Rooftop Project

7kW | German Residential Rooftop Project

50kW | Polish Residential Rooftop Project

8kW | Vietnam Residential Rooftop Project

15kW | Mongolia Residential Rooftop Project

PV Module

Commercial and Industrial Rooftop Project

227.3kW | French Commercial and Industrial Project

258.61kW | French Commercial and Industrial Project

23kW | Vietnam Commercial and Industrial Project

971.75 kW | Singapore Commercial and Industrial Project

PV Module

227.3 kW ，
France

216 kW ，
France

2 MW ，
Vietnam

163.5 kW ， France

120 kW ，
Poland

50 kW ，
Poland

10 kW, Poland

120 kW ，
Netherlands

6 kW ， Poland

Global Rooftop Project

1 MW ，
Vietnam

645 kW ，
France

258.6 kW ，
France

1.2 MW ，
France

240.7 kW ，
France

UZBEKISTAN SOLAR PARK

2024Q3
1GW

Location
Samarkand/Jizzakh/Sherabad, Uzbekistan

COD
2024Q3

EPC
Dongfang Electric International Corporation.
China Machinery Engineering Corporation.

Developer/Owner
Source Trading Company Limited.

Type of Module Installed
JW-HD144N-560W/565W

Type of Inverter Installed
Sungrow

Type of Installation
Tracker

LATIVA PROJECT

2023.09

4.35MW

Location
Latvia

COD
2023.09

Developer/Owner
SOLAR SIA

Type of Module Installed
JW-HD144N-565W

Type of Inverter Installed
Solar Edge

Type of Installation
Tracker

DUBAI MAKTOUM SOLAR PARK PROJECT

2021.12

320MW

Location
Mohammed Bin Rashid Al Maktoum Solar Park, Dubai, United Arab Emirates (UAE)

COD
2021/12 (Phase I)

EPC
Shanghai Electric Group

Developer/Owner
ACWA Power

Type of Module Installed
JW-D72N-400W&405W

Type of Inverter Installed
Sungrow

Type of Installation
Tracker

IBRI II POWER STATION IN OMAN

2021.08

490MW

Location
Ad-Dhahirah, Oman

COD
2021/08

EPC
China Power Construction Corporation East China Survey and Design Institute Co., Ltd.

Developer/Owner
ACWA Power

Type of Module Installed
JW-HD144N-405W/410W/415W

Type of Inverter Installed
Sungrow

Type of Installation
Tracker

OMAN AMIN PROJECT

2020.02

125MW

Location
Amin, Oman

COD
2020/02

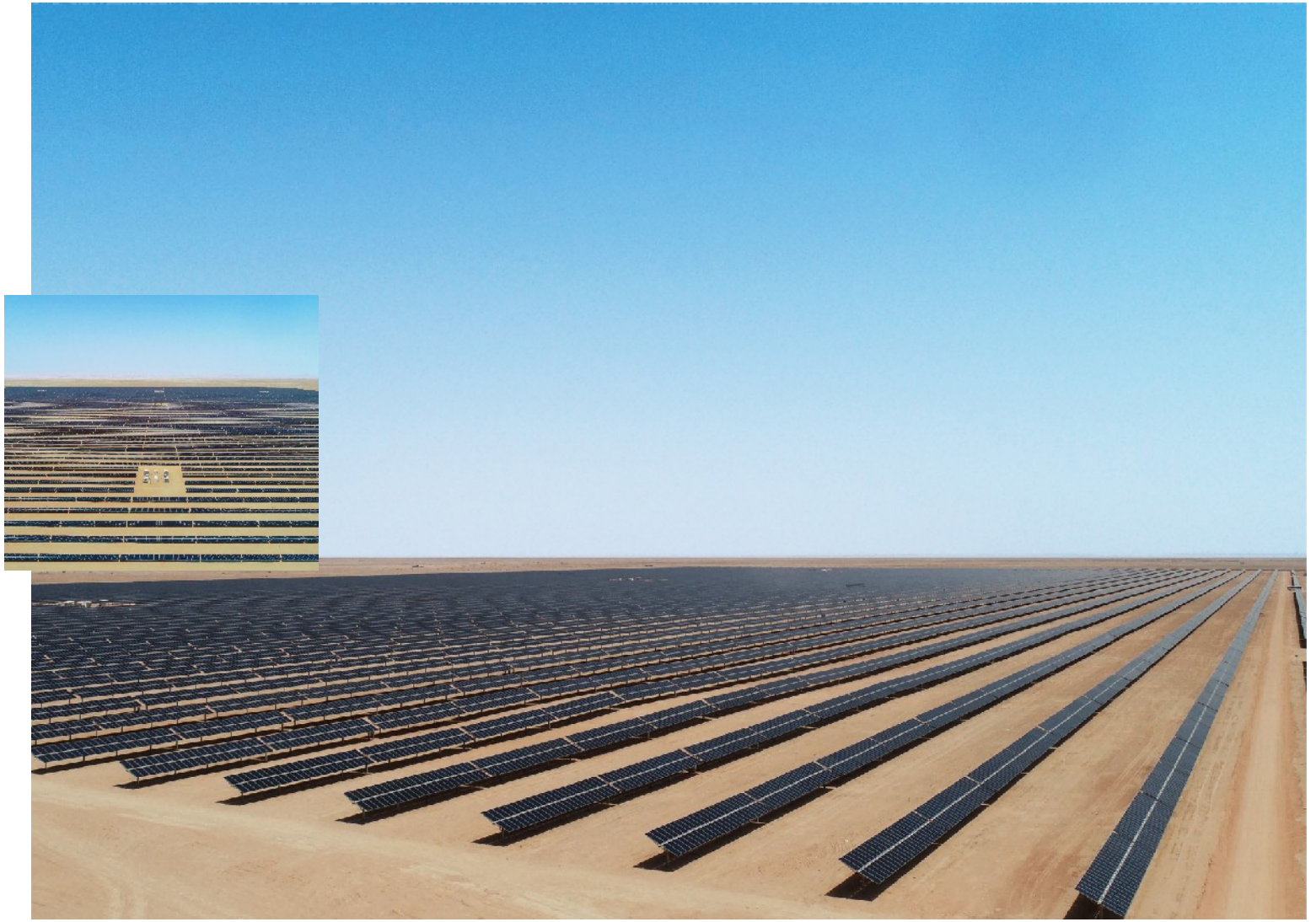
EPC
STERLING AND WILSON INTERNATIONAL

Developer/Owner
Marubeni Corporation

Type of Module Installed
JW-D72N-370W&375W

Type of Inverter Installed
Sungrow

Type of Installation
Tracker



GERMAN VERTICAL INSTALLATION SOLAR FARM PROJECT

2020.07

4.2MW

Location
Donaueschingen-Aasen, Baden Württemberg, Germany

COD
2020/07

EPC
Next2Sun GmbH

Type of Module Installed
JW-72N-375W/380W

Type of Inverter Installed
HUAWEI

Type of Installation
Fixed structure – vertical installation

PHASE II OF SIHONG TOP RUNNER PROJECT

2020.06

110MW

Location
Sihong, Jiangsu, China

COD
2020/06

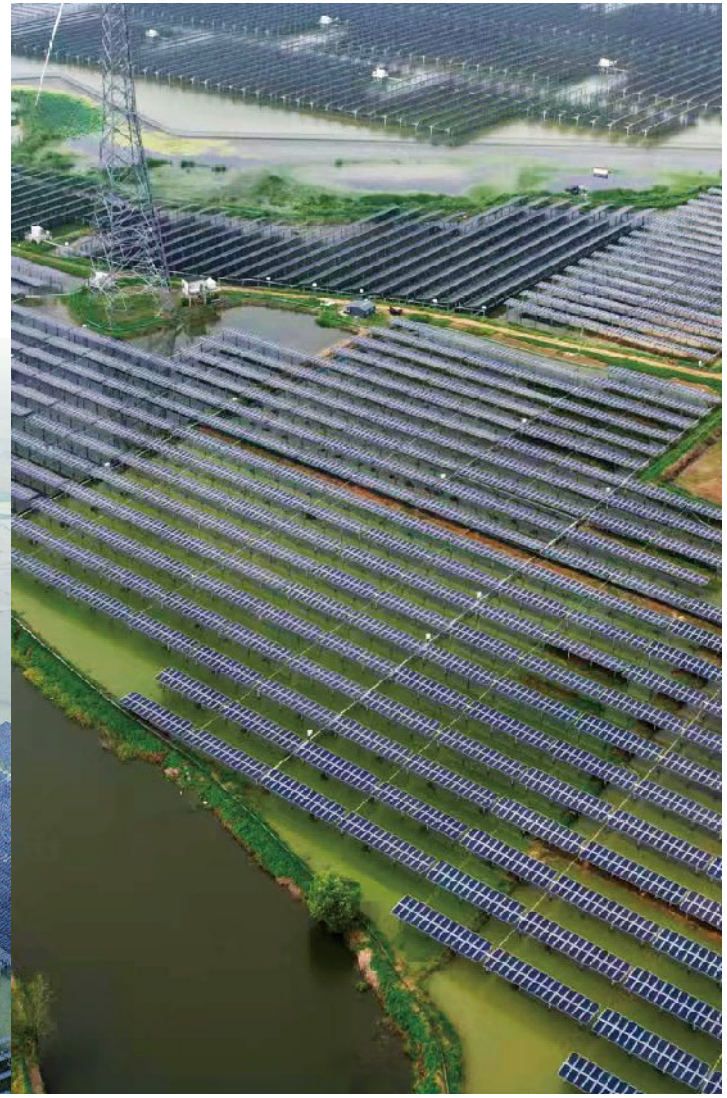
EPC
Henan Sijian Group Co., Ltd;
Jiangsu Electric Power Design Institute

Developer/Owner
State Power Investment Co., Ltd;
China Huaneng Group Co., Ltd

Type of Module Installed
JW-D60N, JW-HD120N

Type of Inverter Installed
HUAWEI

Type of Installation
Fixed structure on water



NETHERLAND ZONNEPARK RILLAND PROJECT

2019.01

11.75MW

Location
Rilland, Netherland

COD
2019/01

EPC
Zonnepark Rilland B.V.

Developer
Unisun Energy B.V.

Owner
Alternus Energy inc

Type of Module Installed
JW-D72N-370W

Type of Inverter Installed
HUAWEI

Type of Installation
Fixed structure

SIHONG TOP RUNNER PROJECT

2018.09

104MW

Location
Sihong, Jiangsu, China

COD
2018/09

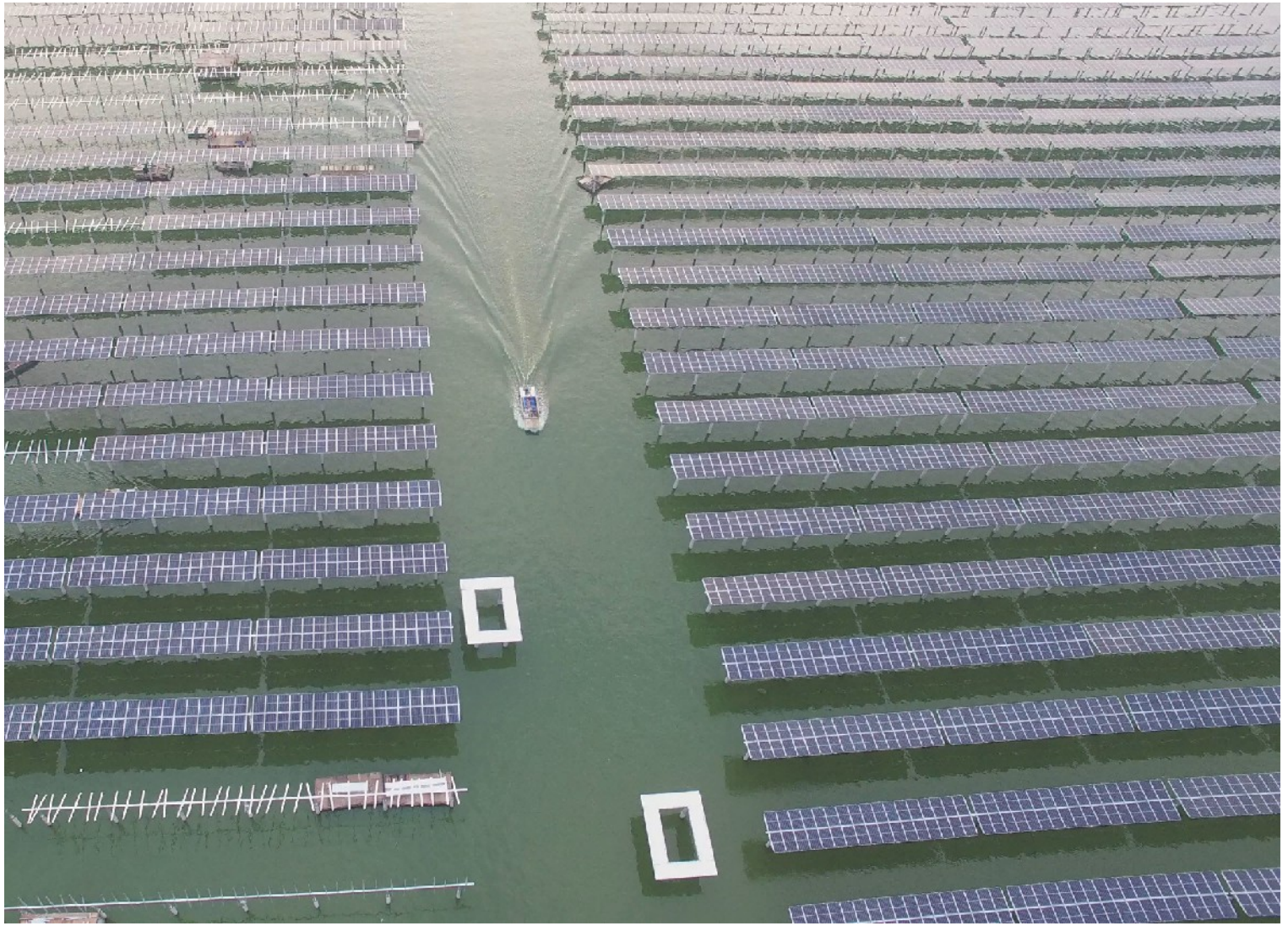
EPC
Jiangsu First Construction Installation Co., Ltd;
Henan Sijian Group Co., Ltd

Developer/Owner
State Power Investment Co., Ltd

Type of Module Installed
JW-D60N, JW-HD120N

Type of Inverter Installed
HUAWEI

Type of Installation
Fixed structure on water



PV Module


UKRAINE FRUZYNVKA n-TYPE BIFACIAL PLANT


STAROSYNYAVS'KY, 2019


ZONNEPARK RILLAND n-TYPE BIFACIAL PV PLANT IN THE NETHERLANDS


Mirande Rooftop project in France


OMAN PROJECT, 2019

- 11.75 MW — Netherland Zonnepark Rilland Project
- 37 MW — The netherlands Solar energy park
- 8 MW — Arnhem project In the netherlands
- 7 kw — Aveyron project in Germany
- 11.5 MW — Bremen port Project in Germany
- 4.15 MW — Donaueschingen Project in Germany
- 5.6 MW — STAROSYNYAVSK'Y, 2019 Ukraine Stara Synyava n-type bifacial plant
- 4.2 MW — Ukraine Fruzynvka n-type bifacial plant
- 20 kw — Residential Rooftop Holand
- 273 kw — Aveyron project in France
- 163.5 kw — Mirande project in France
- 216 kw — Nord project in France
- 120 kw — Commercial rooftop Poland

Cumulative shipments

11GW+

- 153 MW — Qinghai UHV PV Plant Project
- 30 MW — SHANXI,CHINA Quanyang Top Runner Project
- 29 MW — Panda Solar Project
- 15 kw — Residential Rooftop Mongolia

- 94.42 MW — Jilin Top Runner Project
- 44 MW — Poverty-relief Project in Hebei
- 74.52 MW — n-type bifacial PV plant in Hebei
- 64.64 MW — HEBEI, HAIXING, 2019 Top Runner Hebei Project n-type bifacial PV plant in Hebei


HEBEI, HAIXING, 2019 TOP RUNNER HEBEI PROJECT


SHANXI,CHINA, 2017 QUANYANG TOP RUNNER PROJECT


QINGHAI UHV PV PLANT PROJECT


SIHING TOP RUNNER PROJECT II

- 1 GW — Uzbekistan Project


Jizzakh Samarkand Sherabad, Uzbekistan

- 125 MW — Oman Amin Project
- 490 MW — Ibri II Power Station in Oman
- 320 MW — Dubai Maktoum Solar Park Project

- 110 MW — Sihong Top Runner Project II
- 104 MW — Sihong Top Runner Project I
- 90 MW — Guizhou n-type Bifacial PV Plane
- 60 MW — Guangxi n-type Bifacial PV Plane

PV Module

Our Development Goals

NO.1

Ranking first in the global backsheet market

NO.1

Ranking first in global crystalline silicon cell technology

NO.1

Ranking first in the global module distribution market

(Market share and brand)

NO.3

Ranking in the Top 3 of China's distributed power market

Thank you ！

www.Jolywood.cn

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Jolywood (Taizhou) Solar Technology Co., Ltd.

Address: No. 6, Kaiyang Road, Jiangyan Economic Development Zone, Taizhou City, Jiangsu Province, China
Tel ： +86-523-80612799