



DAS SOLAR

DAS SOLAR Light Up Everyday!

The DASOLAR logo, consisting of the word "DASOLAR" in white, sans-serif font with a small orange triangle above the letter 'A'. The background of the slide features a dark blue space scene with a bright, curved light streak and several solar panels in the foreground.

Global PV Manufacturer
for 2023 **Q4**

BloombergNEF

Tier1

Table 3: Photovoltaic module manufacturers meeting BloombergNEF's Tier 1 criteria as of 3Q 2023

Firm/ brand	Annual module capacity, MW/year	Firm/ brand	Annual module capacity, MW/year
ZNShine	10,000	Jinneng/ Jinery	4,000
Yingli*†	11,650	Jinko*†	90,000
Waaree*	12,000	Jetion	2,500
VSUN Solar*	3,800	JA Solar*†	65,000
Ulica Solar	3,000	HT-SAAE*	5,000
Trina*†	75,000	Heliene†	950
Tongwei	55,000	Hanwha Q-Cells*†	12,400
Suntech*	16,500	Hansol Technics	600
Sunpro Power / YH Sunpro	2,000	Hanersun	1,000
Sunova Solar/ Thornova*	4,200	Haitai Solar	10,000
Sumec/ Phono Solar*	4,000	First Solar†	11,300
Solarspace*†	6,000	Exiom Group	2,000
Sharp	210	ET Solar Inc / Elite Solar*	3,500
Seraphim†	7,750	Eging*	10,000
SEG Solar*†	2,650	DMEGC*	12,000
Risen Energy*	25,000	DAS Solar*	20,000
Renesola	3,000	Chint/ Astronergy*†	40,000
Recom	3,200	Canadian Solar	36,200
Neo Solar Power/ URE	1,800	Boviet Solar*	2,500
Maxeon*	10,100	Anhui Huasun*	10,000
Luxen Solar	2,300	Anhui Daheng (DAH Solar)	2,000
Longi Green*†	95,000	Akcome*	12,600
Leapton Energy	3,000	AE Solar*	2,000
Jolywood*	3,000	Total	715,710

Source: BloombergNEF Note: Methodology [here](#). * denotes a company for which technical due diligence reports are available from PV Evolution Labs, PVEL. Contact Tristan.erion-lorico@pvel.com. † denotes manufacturers upon which RETC has recently conducted or is conducting technical due diligence. Contact info@retc-ca.com for details. Brands are shown in reverse alphabetical order to avoid giving the impression that position in the list is significant. Companies can download the dataset of financings [here](#).

DASOLAR Ranked
BloombergNEF Tier 1
Global PV Manufacturer for 2023 Q3

DASOLAR

PV Magazine Test

"Very Good"



DAS SOLAR RANKS 9TH

ON BNEF'S LIST OF SOLAR MODULE SHIPMENT
IN 1H 2023

- **OUR** On [#BloombergNEF](#)'s list of 1H 2023 Solar Module Shipments, [DAS SOLAR](#) claimed the ninth position. By utilizing cutting-edge N-type technology, we are not only staying up but also breaking records! **SHAREHOLDERS**

- **OUR** On [#BloombergNEF](#)'s list of 1H 2023 Solar Module Shipments, [DAS SOLAR](#) claimed the ninth position. By utilizing cutting-edge N-type technology, we are not only staying up but also breaking records! **SHAREHOLDERS**

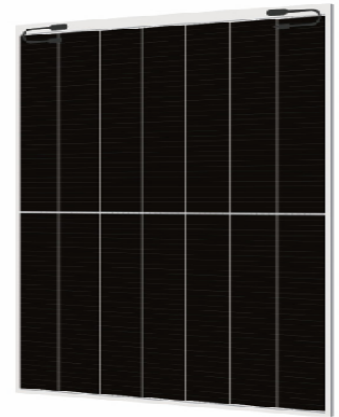


**Insurance
Warranty by**

Munich RE 



N Type P Type

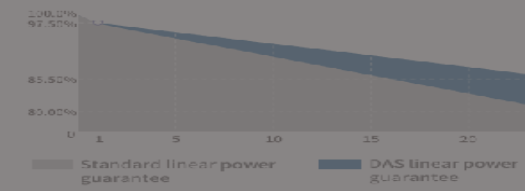


Lightweight High Density Module

Module Type: DAS-LOJP Module Power: 415W-430W

430W Maximum Power Output **20.8%** Maximum Module Efficiency **0~+5W** Power Output Tolerance

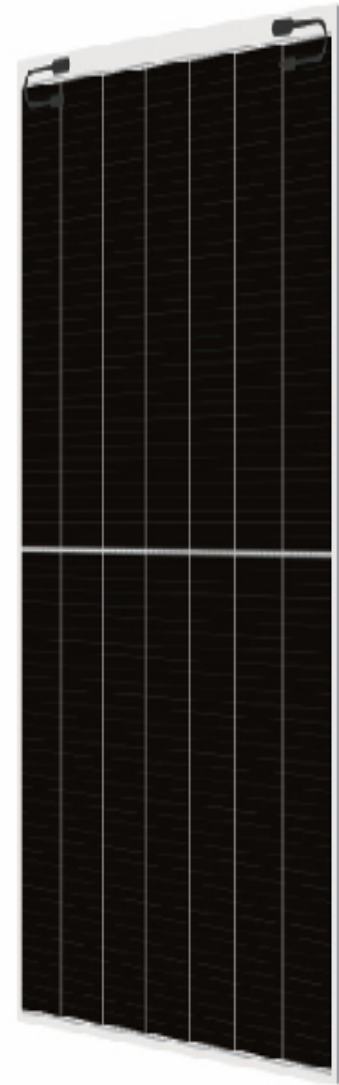
-2.50% 1st-year Degradation **10 YEAR** Materials and workmanship warranty **25 YEAR** Linear power warranty



Product and Quality Certifications

IEC 61215, IEC 61730
 ISO 9001: 2015 Quality Management System
 ISO 14001: 2015 Environment Management System

NType P Type



Lightweight High Density Module

Module Type: DAS-LOJP Module Power: 415W~430W

430W Maximum Power Output	20.8% Maximum Module Efficiency	0~+5W Power Output Tolerance
-------------------------------------	---	--

-2.50% 1st-year Degradation

-0.50% Annual Degradation

10 YEAR Materials and workmanship warranty

25 YEAR Linear power warranty

85.5% 25 Years Performance Warranty

-2.50% 1st-year Degradation

-0.50% Annual Degradation

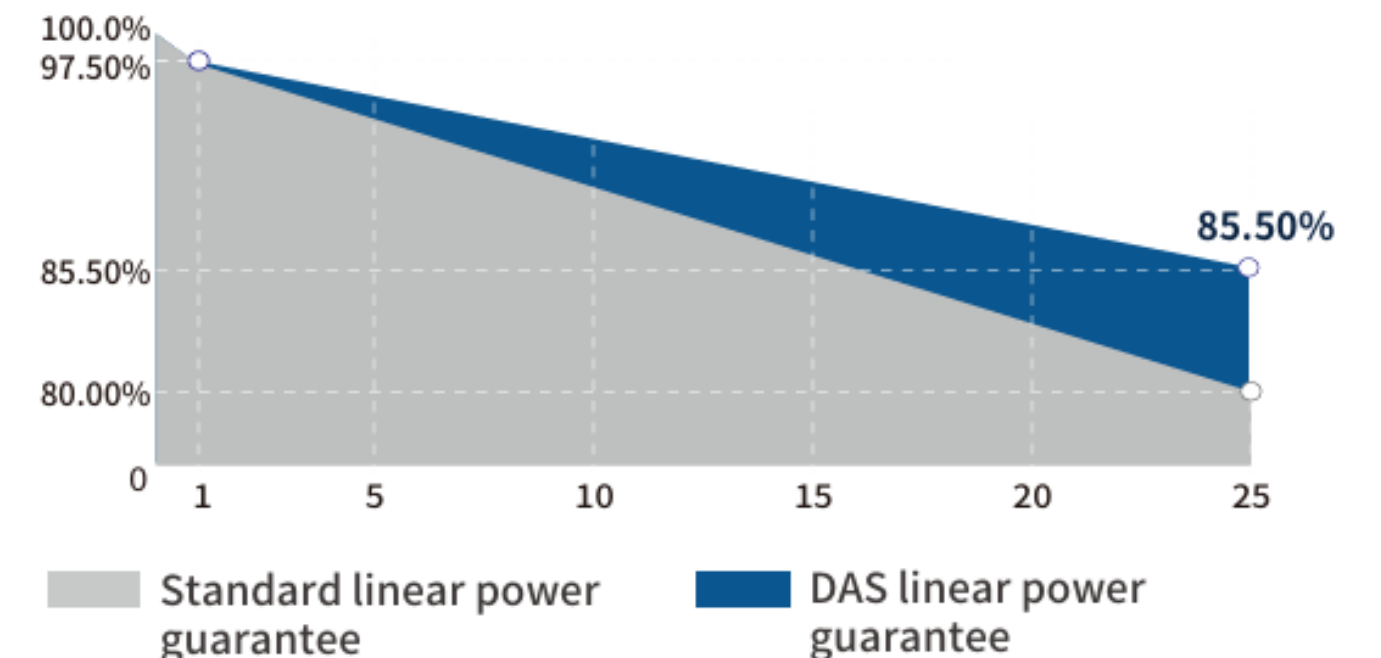
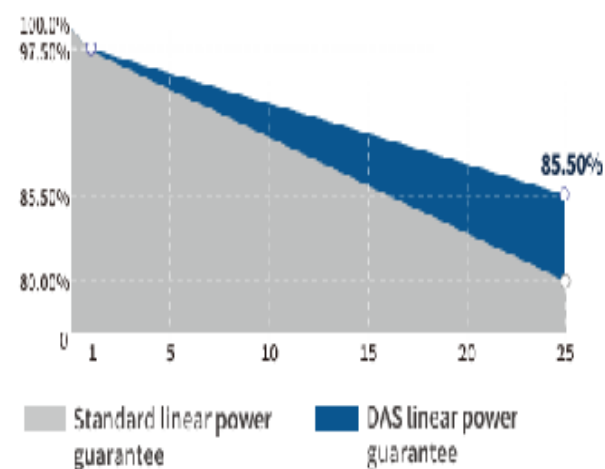
10 YEAR Materials and workmanship warranty

25 YEAR Linear power warranty



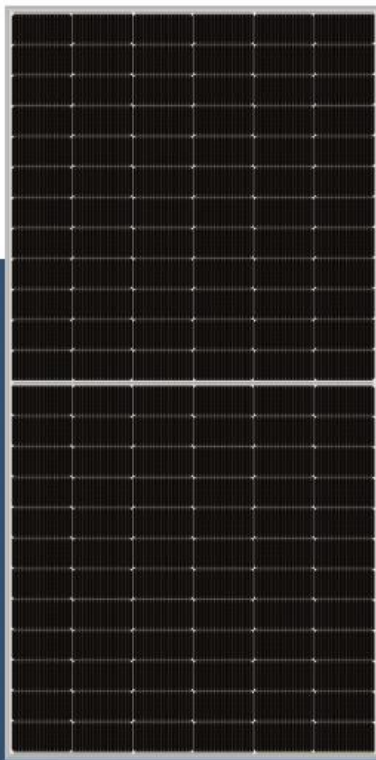
Product and Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System



P Type
Monofacial Module
DAS-WH144PA

540W~560W



Key Features

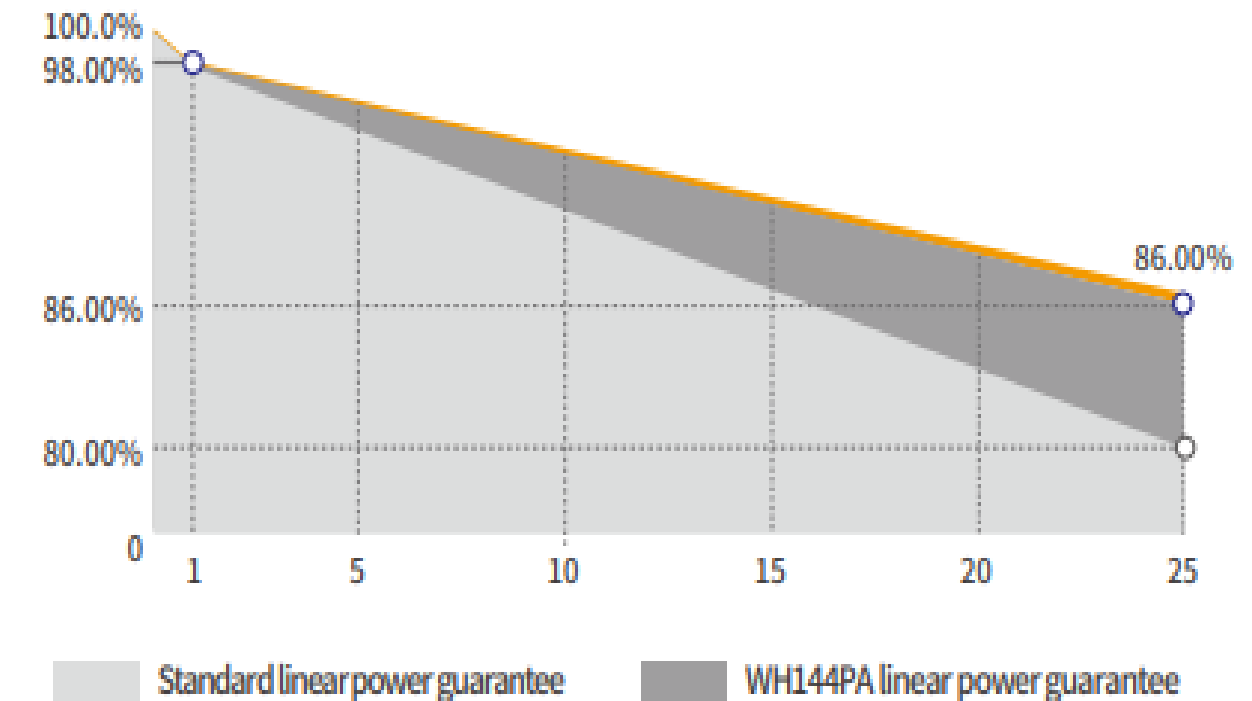
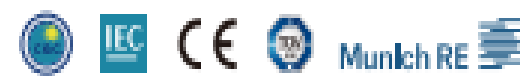
- High Efficiency**
Leading module efficiency in industry, up to 21.7%
- Half Cell, SMBB Technology**
Series-then-parallel cell connection design, more reliable soldering technology
- High Reliability**
Passed 3*IEC standard test
- Low NMOT**
As low as 43°C, improving the power generation efficiency
- Reduce Mismatch Loss**
Half-cut cell technology provides optimized energy production under inter-row shading conditions
- Superior Low Irradiance Performance**
Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output **560W**
Maximum Module Efficiency **21.7%**
Power Output Tolerance **0~+5W**

86% 25 Years Performance Warranty

Product and Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test

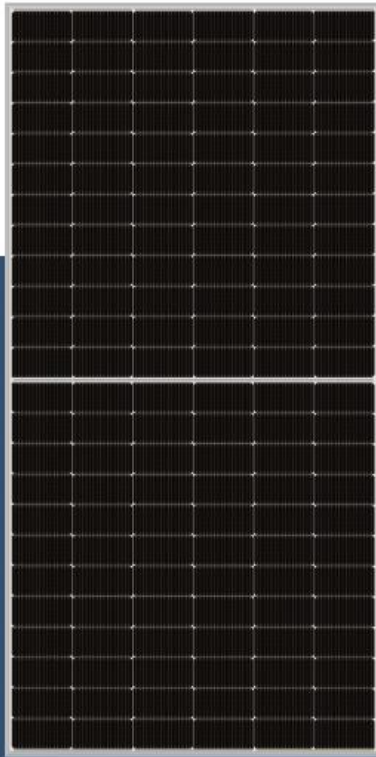


Leading product and power warranty

-2.00% 1st-year Degradation -0.50% Annual Degradation 12 Materials and workmanship warranty 25 Linear power warranty

P Type
Monofacial Module
DAS-WH144PA

540W~560W



Key Features

- High Efficiency**
Leading module efficiency in industry, up to 21.7%
- Half Cell, SMBB Technology**
Series-then-parallel cell connection design, more reliable soldering technology
- High Reliability**
Passed 3*IEC standard test
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As low as 43°C, improving the power generation efficiency
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Half-cut cell technology provides optimized energy production under inter-row shading conditions
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Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Maximum Power Output **560W** | Maximum Module Efficiency **21.7%** | Power Output Tolerance **0~+5W**

Maximum 21.7% Efficiency

Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	540	545	550	555	560
Open Circuit Voltage(Voc/V)	49.52	49.68	49.84	50.03	50.15
Short Circuit Current(Isc/A)	13.84	13.91	13.98	14.04	14.12
Operating Voltage(Vmp/V)	41.67	41.83	41.99	42.18	42.30
Operating Current(Imp/A)	12.96	13.03	13.10	13.16	13.24
Efficiency(%)	20.9	21.1	21.3	21.5	21.7

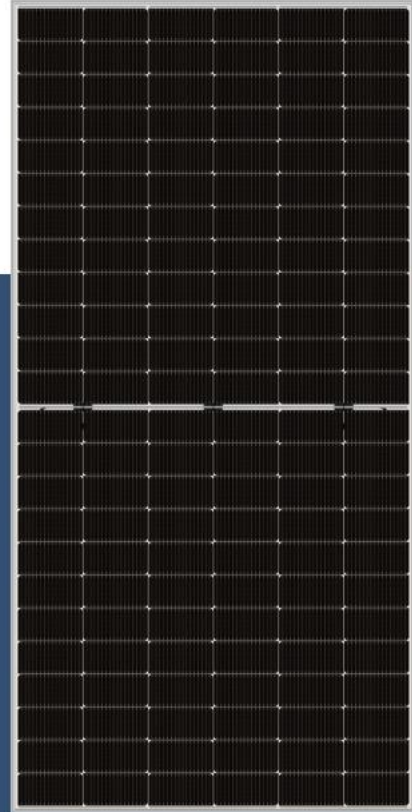
STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.26%/°C
Nominal Max. Power(Pmax)	-0.340%/°C
NMOT	43 ± 2°C

DAON™
Bifacial Double Glass Module
DAS-DH144NA

560W~580W



Key Features

- High Efficiency**
Leading module efficiency in industry, up to 22.5%
- Excellent Appearance and Performance**
Bifacial solar cell, symmetrical design, low risk of micro-crack
- High Reliability**
Passed 3*IEC standard test, 15 years materials warranty, 30 years power warranty
- Excellent Rear Side Power Generation**
Bifaciality is up to 80%, up to 30% more energy yield than conventional modules
- Better low irradiance performance**
Higher power output even under low irradiance environments like on cloudy or foggy days
- Extensive Application Scenes**
More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

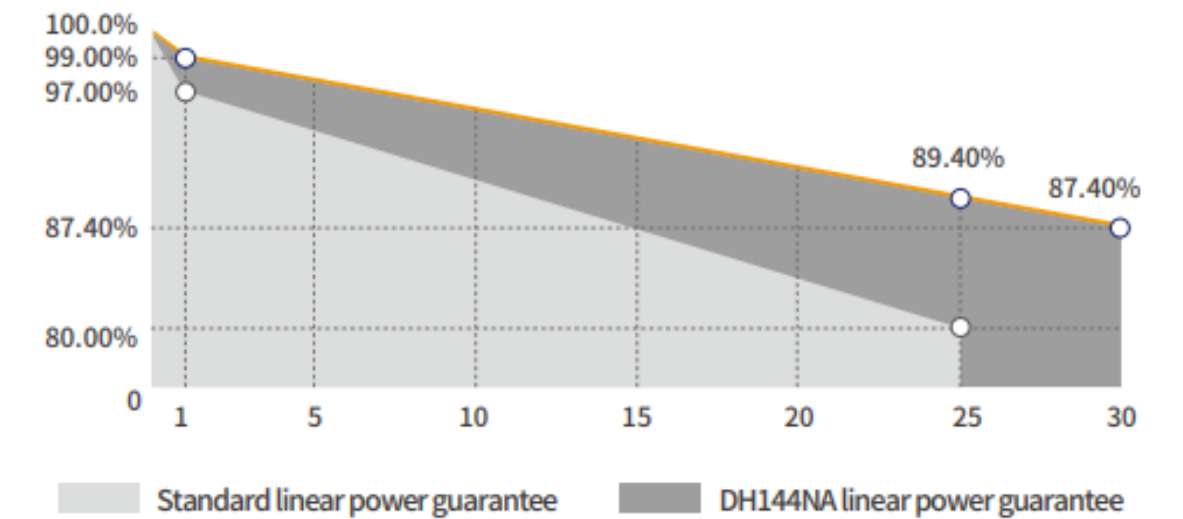
Maximum Power Output **580W** | Maximum Module Efficiency **22.5%** | Power Output Tolerance **0~+5W**

87.40% 30 Years Performance Warranty

15 Years Product Warranty

Product and Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test



Leading product and power warranty

-1.00% 1st-year Degradation **-0.40%** Annual Degradation **15** Materials and workmanship warranty **30** Linear power warranty

Bifacial Double Glass Module
DAS-DH144NA

565W~585W

Maximum 22.6% Efficiency

Key Features

- High Efficiency**
Leading module efficiency in industry, up to 22.6%
- Excellent Appearance and Performance**
Bifacial solar cell, symmetrical design, low risk of micro-crack
- High Reliability**
Passed 3*IEC standard test, 15 years materials warranty, 30 years power warranty
- Excellent Rear Side Power Generation**
Bifaciality is up to 80%, up to 30% more energy yield than conventional modules
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- Extensive Application Scenes**
More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Maximum Power Output **585W** | Maximum Module Efficiency **22.6%** | Power Output Tolerance **0~+5W**

Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	565	570	575	580	585
Open Circuit Voltage(Voc/V)	51.39	51.60	51.80	52.00	52.20
Short Circuit Current(Isc/A)	13.79	14.25	14.30	14.37	14.43
Operating Voltage(Vmp/V)	43.00	42.32	42.50	42.69	42.87
Operating Current(Imp/A)	13.14	13.47	13.53	13.59	13.65
Efficiency(%)	21.9	22.1	22.3	22.5	22.6

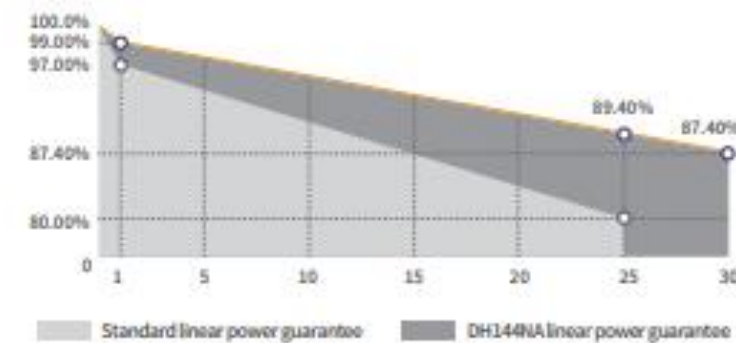
STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Mechanical Parameters

Cell Type	N Type
Module Size	2278×1134×30mm
Glass Thickness	2.0mm
Module Weight	31.3Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

Product and Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
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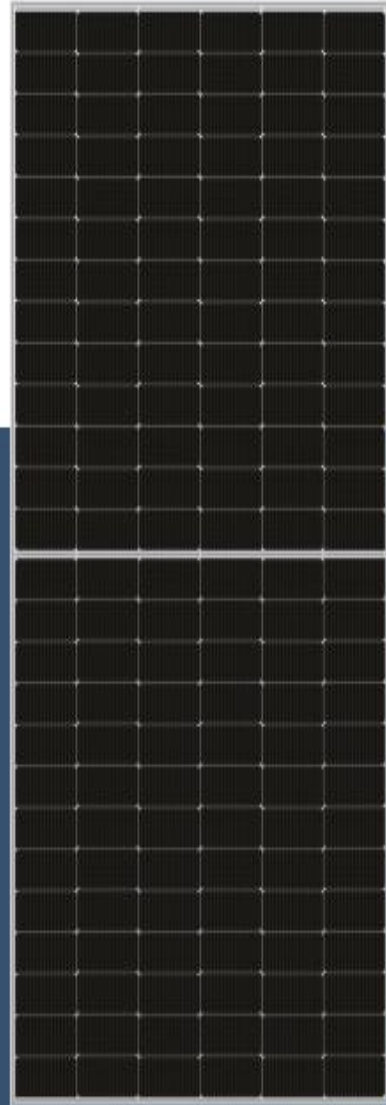


Leading product and power warranty

-1.00% 1st-year Degradation -0.40% Annual Degradation 15 Years materials and workmanship warranty 30 Years linear power warranty

Bifacial Double Glass Module
DAS-DH156NA

610W~630W



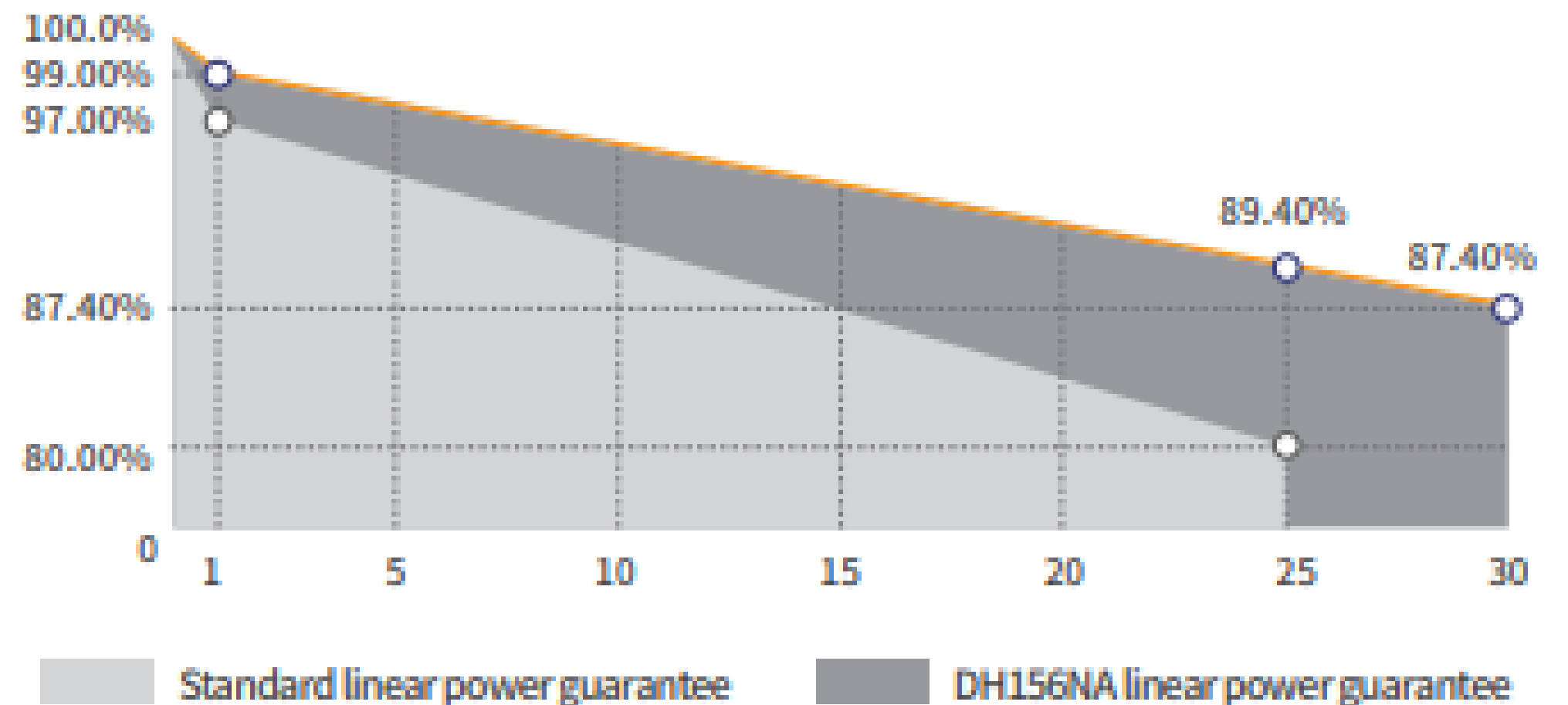
Key Features

- High Efficiency**
Leading module efficiency in industry, up to 22.5%
- Excellent Appearance and Performance**
Bifacial solar cell, symmetrical design, low risk of micro-crack
- High Reliability**
Passed 3*IEC standard test, 15 years materials warranty, 30 years power warranty
- Excellent Rear Side Power Generation**
Bifaciality is up to 80%, up to 30% more energy yield than conventional modules
- Better low irradiance performance**
Higher power output even under low irradiance environments like on cloudy or foggy days
- Extensive Application Scenes**
More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Maximum Power Output	Maximum Module Efficiency	Power Output Tolerance
630W	22.5%	0~+5W

87.40% 30 Years Performance Warranty

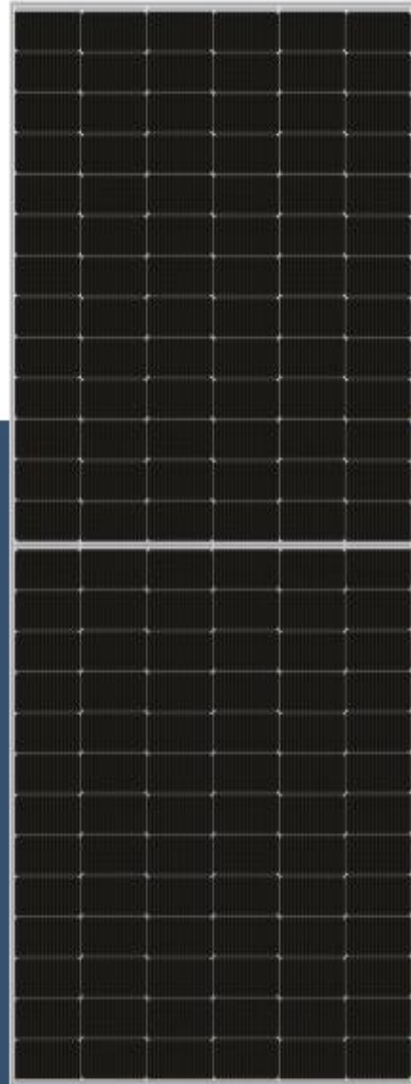
15 Years Product Warranty





Bifacial Double Glass Module
DAS-DH156NA

610W~630W



Key Features

- High Efficiency**
Leading module efficiency in industry, up to 22.5%
- Excellent Appearance and Performance**
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- Extensive Application Scenes**
More extensive application scenes, such as BIPV, snow field, vertical installation, high humidity, strong wind and desert region

Maximum Power Output **630W** | Maximum Module Efficiency **22.5%** | Power Output Tolerance **0~+5W**

Maximum 22.5% Efficiency

Electrical Parameters (STC *)

Nominal Max. Power(Pmax/W)	610	615	620	625	630
Open Circuit Voltage(Voc/V)	55.32	55.46	55.60	55.74	55.88
Short Circuit Current(Isc/A)	14.03	14.11	14.19	14.27	14.35
Operating Voltage(Vmp/V)	45.59	45.76	45.93	46.09	46.26
Operating Current(Imp/A)	13.38	13.44	13.50	13.56	13.62
Efficiency(%)	21.8	22.0	22.2	22.4	22.5

STC * : Irradiance = 1000 W/m², Cell Temperature = 25°C, AM = 1.5
Test condition is based on the front side

Mechanical Parameters

Cell Type	N Type
Module Size	2465×1134×35mm
Glass Thickness	2.0mm
Module Weight	34.3Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
Junction Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

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05 | GLOBAL PROJECTS



01 ABOUT DAS SOLAR





China Three Gorges Corporation (CTGC)

The China Three Gorges Corporation was founded in Sept, 1993 with the approval of the State Council. CTGC positions itself as a clean energy group focusing on large-scale hydropower development and operation. After more than 20 years of rapid growth, CTGC has become the largest hydro-power development enterprise worldwide and the biggest clean energy group in China.

Total assets

159

Billion USD

Clean energy installed capacity

100+

GW

2021 Cumulative Installed Solar Capacity

8.4

GW

Cumulative installed capacity forecast by 2025

23+

GW

China Huaneng Group



2021 Cumulative Installed Solar Capacity

9.1
GW

Cumulative installed capacity forecast by 2025

26+
GW

Total asset

185
Billion USD

China Merchants Group (CMG)



Sales Revenue

128
Billion USD

Phase 1 fund management scale

6.9
Billion USD

Total asset by the end of 2021

1584
Billion USD

New Top-tier brand

Total staff

5000+

Patent 150+

5% total revenue invested to R&D

R&D staffs

20%

Ph.D

6

Patents

150+



CAPACITY LAYOUT

2022 TOTAL PRODUCTION CAPACITY

20 GW module

20 GW cell

2023 NEWLY BUILT CAPACITY

10+ GW module

10 GW cell

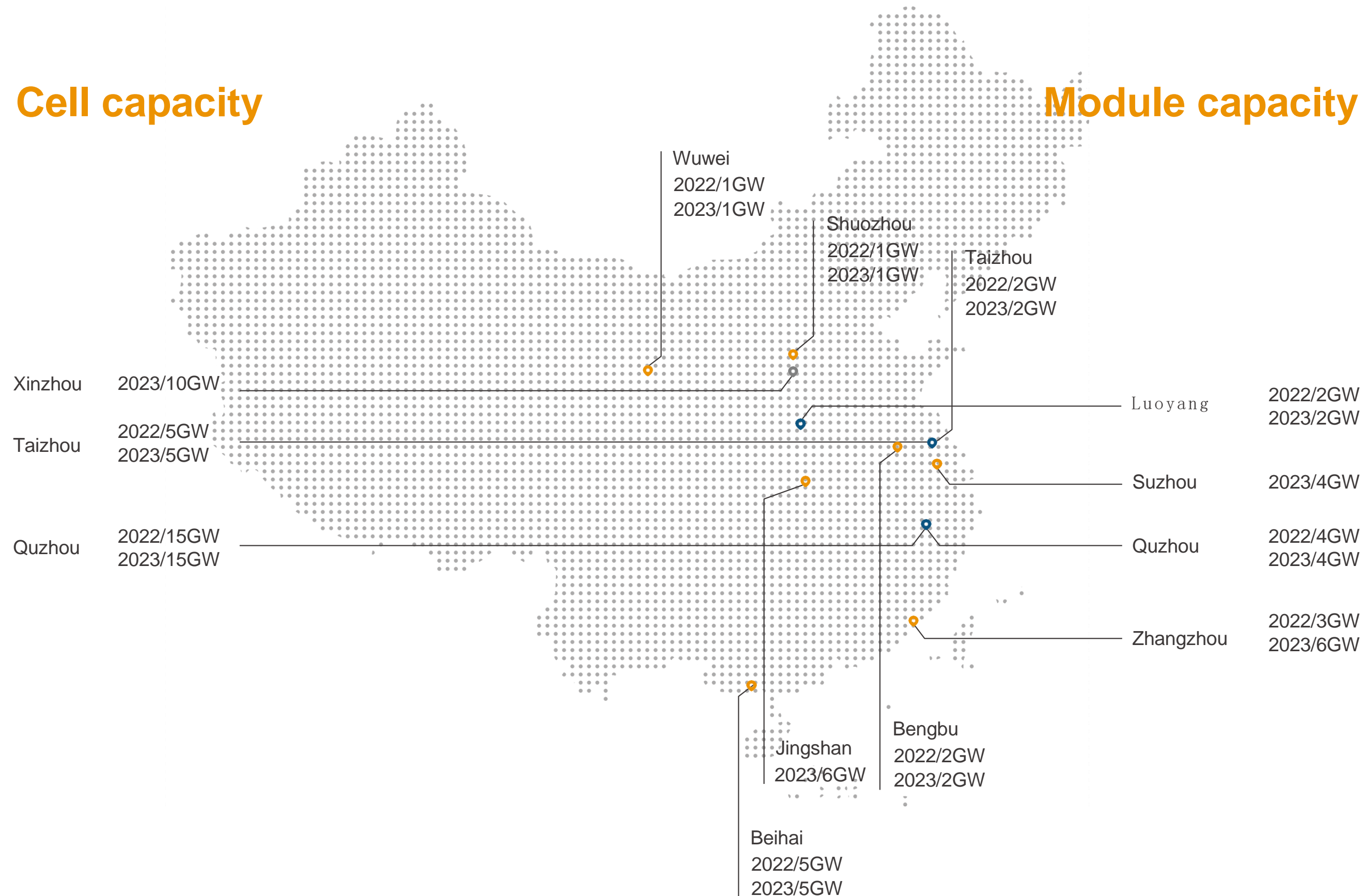
● Module capacity

● Cell+Module capacity

● Cell capacity

Cell capacity

Module capacity



Module producer DAS Solar put its 3 GW n-type module manufacturing facility into production in Dongshan, a county in China's coastal province Fujian.



DAS Solar factory in Dongshan County

The facility is the phase one of a 6.6 GW project. The construction of the second phase will be completed in 2023. The phase two project will reach an annual production capacity of 3.6 GW when put into operation.

Liu Yong, Chairman and CEO, DAS Solar said that the company will build China's first zero-carbon factory in Dongshan County. The factory will be powered by renewable energy systems, including an offshore wind power plant, a rooftop solar PV system, and a storage system.

The factory aims to become a demonstration project to explore the possibilities of renewable energy generation and consumption in coastal cities with scarce land resources, said Liu.

By the end of 2022, DAS Solar will have 20 GW accumulated production capacity for high-efficiency n-type solar cells and 20 GW for n-type modules.

In May, the company has completed another round of financing. With the funds raised, the company will [expand its production capacity of solar cells and modules to 60 GW](#) in the next three years.

2018

2018

- DAS Solar was founded

2018/7

- Phase 1 in Quzhou
Cell Capacity: 1.2GW/year
- Module Capacity : 900MW/year

2019

2019/11

- China Three Gorges Corporation (CTGC) was introduced in Round A financing

2020

2020/10

- Phase 1 in Taizhou
- Cell Capacity: 5GW/year
- Module Capacity: 5GW/year

2021

2021/5

- Phase 2 in Quzhou
Cell Capacity : 5GW/year
- Module Capacity: 3GW/year

2021/7

- Factory in Shuozhou, Jiangsu
- Module Capacity: 5GW

2021/7

- China Three Gorges Corporation (CTGC) added investment; China Merchants Venture was introduced in Round B financing

2021/8

- Factory in Wuwei, Gansu
- Module Capacity: 1GW

2021/11

- Agreement: Factory in Anhui
- Module Capacity: 1GW

2021/11

- Factory in Zhangzhou, Fujian
- Module Capacity 5GW

2021/12

- Factory in Suzhou Resort (Yangcheng Lake Town)
- Module Capacity 4GW

2021/12

- Introduced strategic investors: Yongfu

2022

2022/6

- Factory in Beihai
- Module Capacity: 10GW

2022/8

- Factory in Xinzhou, Shanxi
- Cell Capacity: 10GW

2024

- Planned IPO listing

GLOBAL FOOTPRINTS

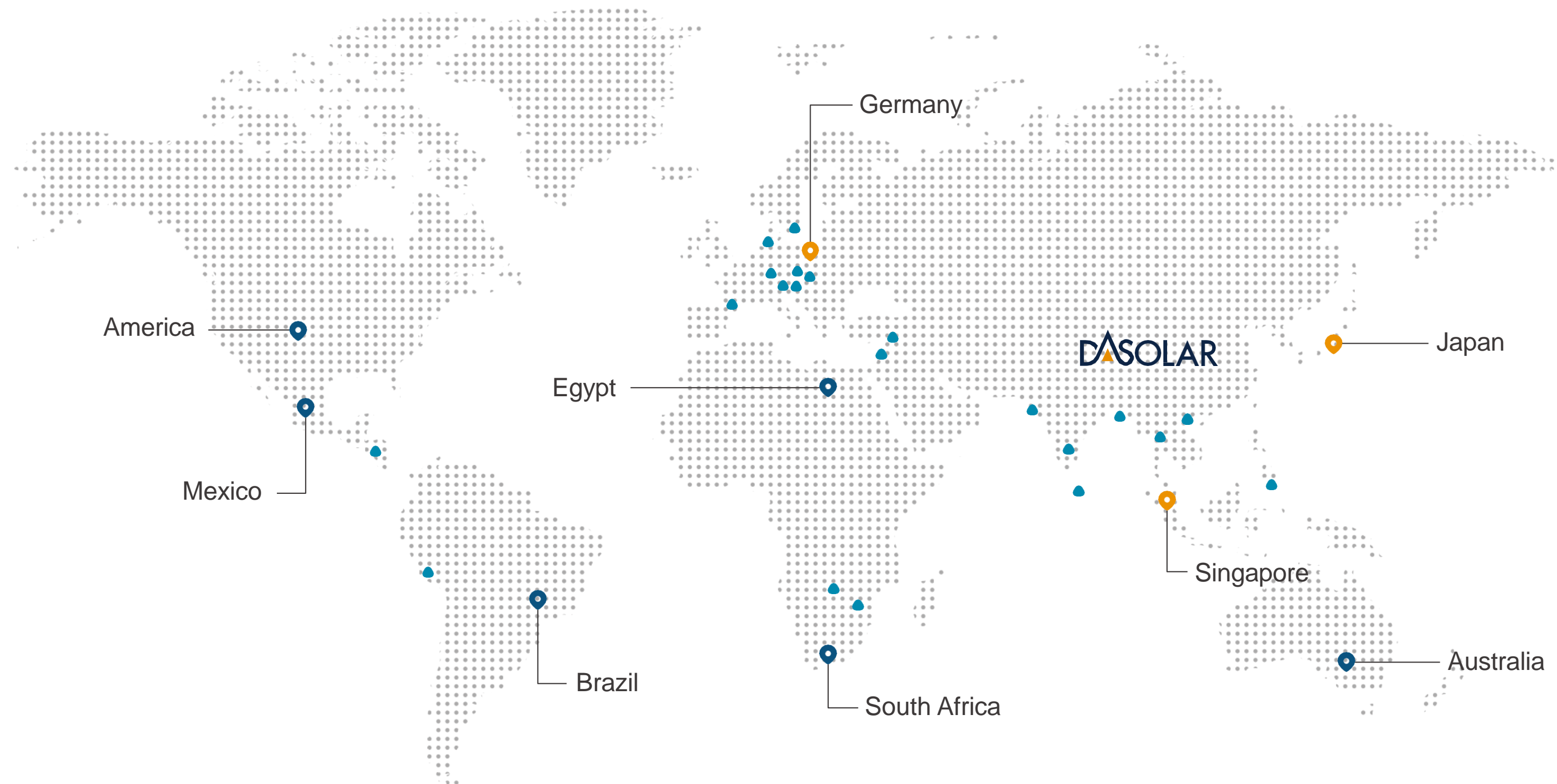
Cumulative Installed Capacity

15GW+

Across

60+

countries and regions



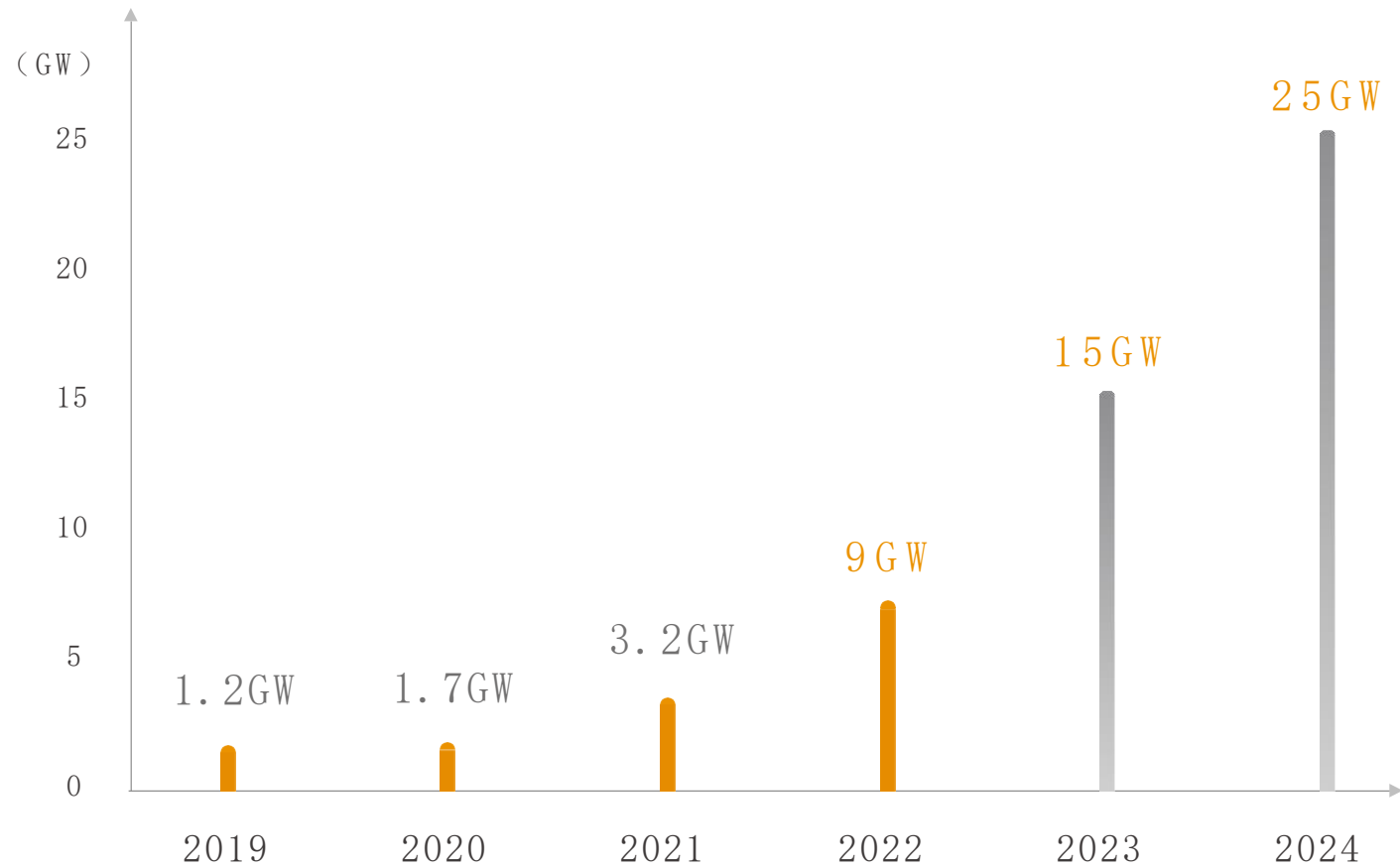
DAS Solar Headquarter

Subsidiaries
(Warehouse & Logistics site)

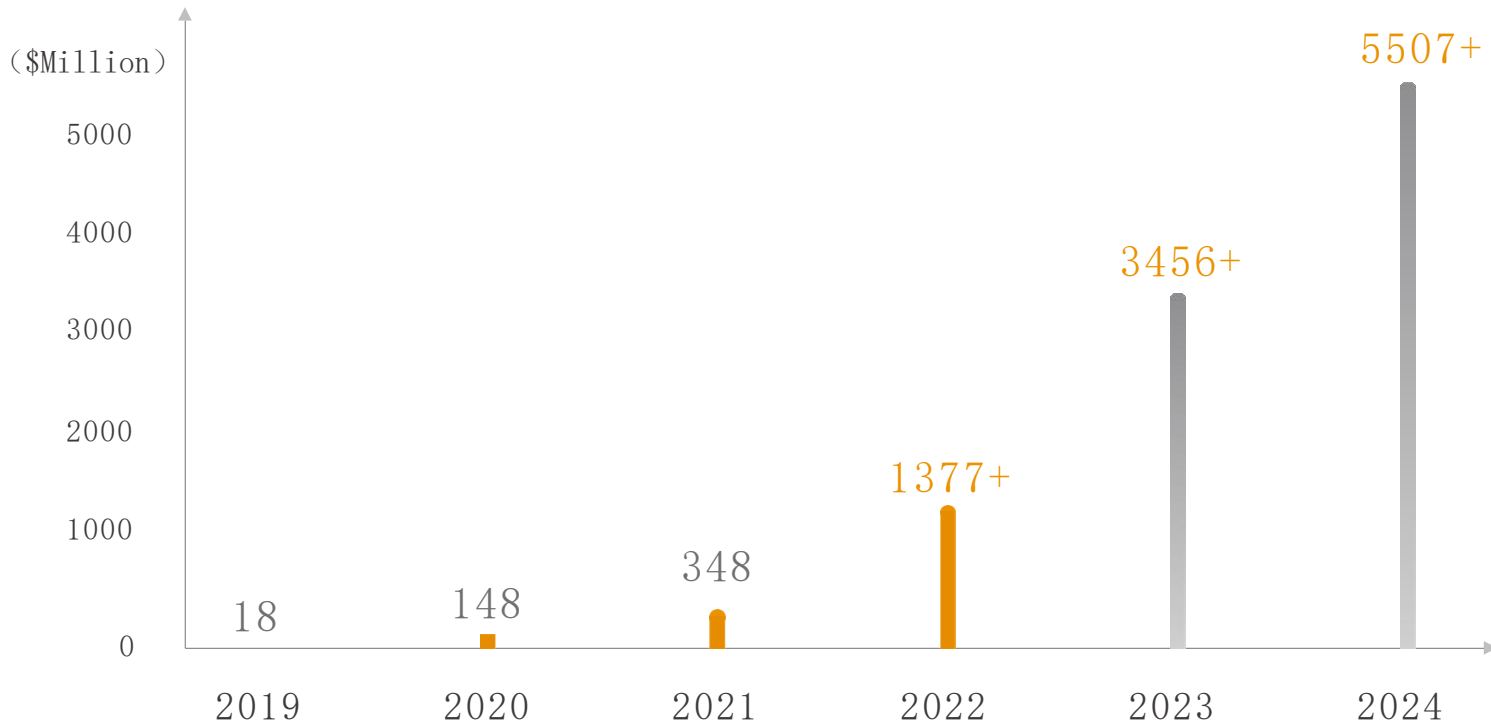
Subsidiaries to set up
(Warehouse & Logistics site)

Business footprint

Shipment Installation



Strong financial performance



Sales Revenue Growth Rate



HONOR AND CERTIFICATION

1. Eighth China's TOP 10 BIPV BRAND
2. The MIIT "Photovoltaic Manufacturing Industry Specification Conditions" Enterprise
3. National high-tech enterprise
4. Technologically Advanced Enterprise



Strategic partners

Cumulative tender awarded

10GW+

Cumulative clients
up to 2022.10

100+

800_{MW/year}

DAS Solar signed a gigawatt-class module order with China Railway ChenBang Investment Management Group

780_{MW}

DAS Solar won a bid to supply 780 MW N-type modules to China Datang Corporation

\$690_{Million}

DAS Solar signed a strategic corporation agreement with Luoyang Glass Company

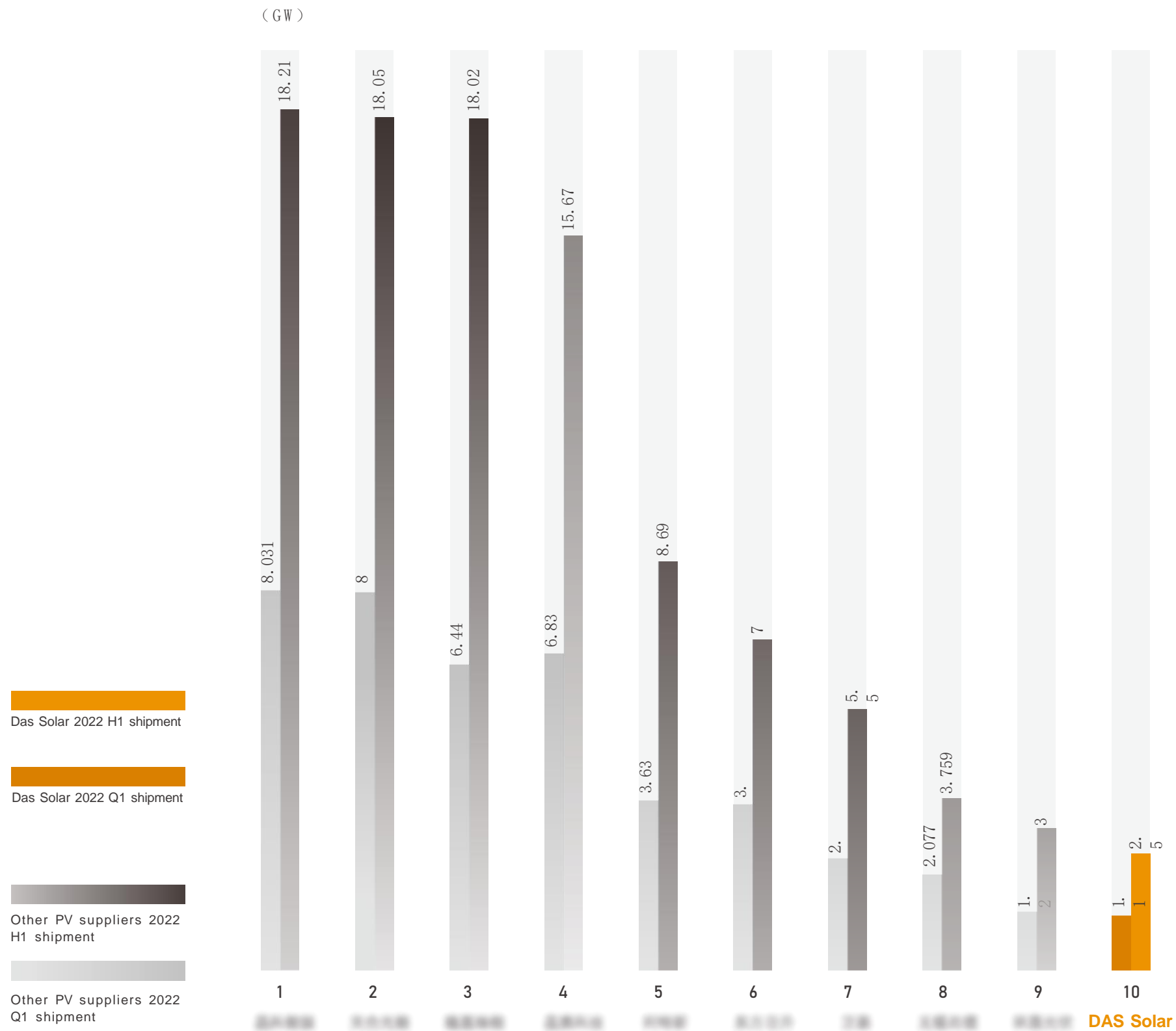
\$1.4_{Billion}

DAS Solar signed new strategy agreement with ShangJi Automation

182_{MW}

DAS Solar won the bid of the biggest N-type PV project of Shanxi Huangneng

GROWING SHIPMENT



Superior bankability



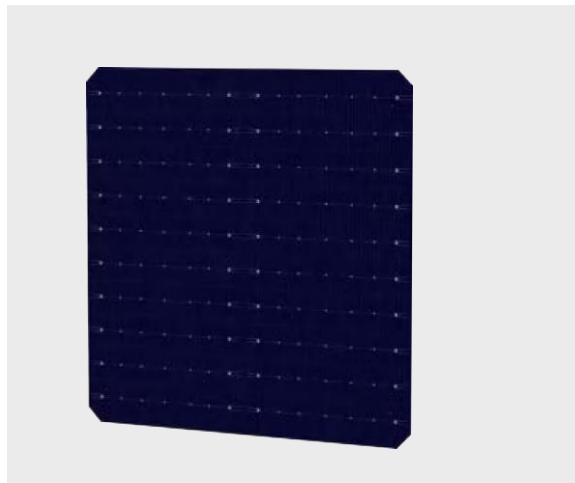
The third party Insurance service provider offer the insurance services covering the product workmanship and linear power output for all DAS Solar products.

02 CORPORATE BUSINESS



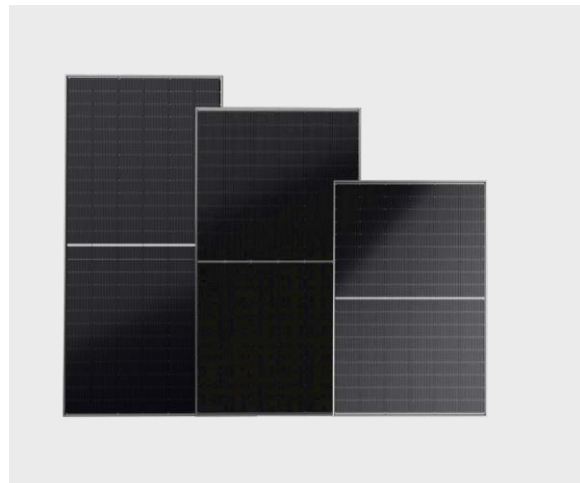
01

High Efficiency PV cell



02

High Efficiency PV module



03

PV practical application products

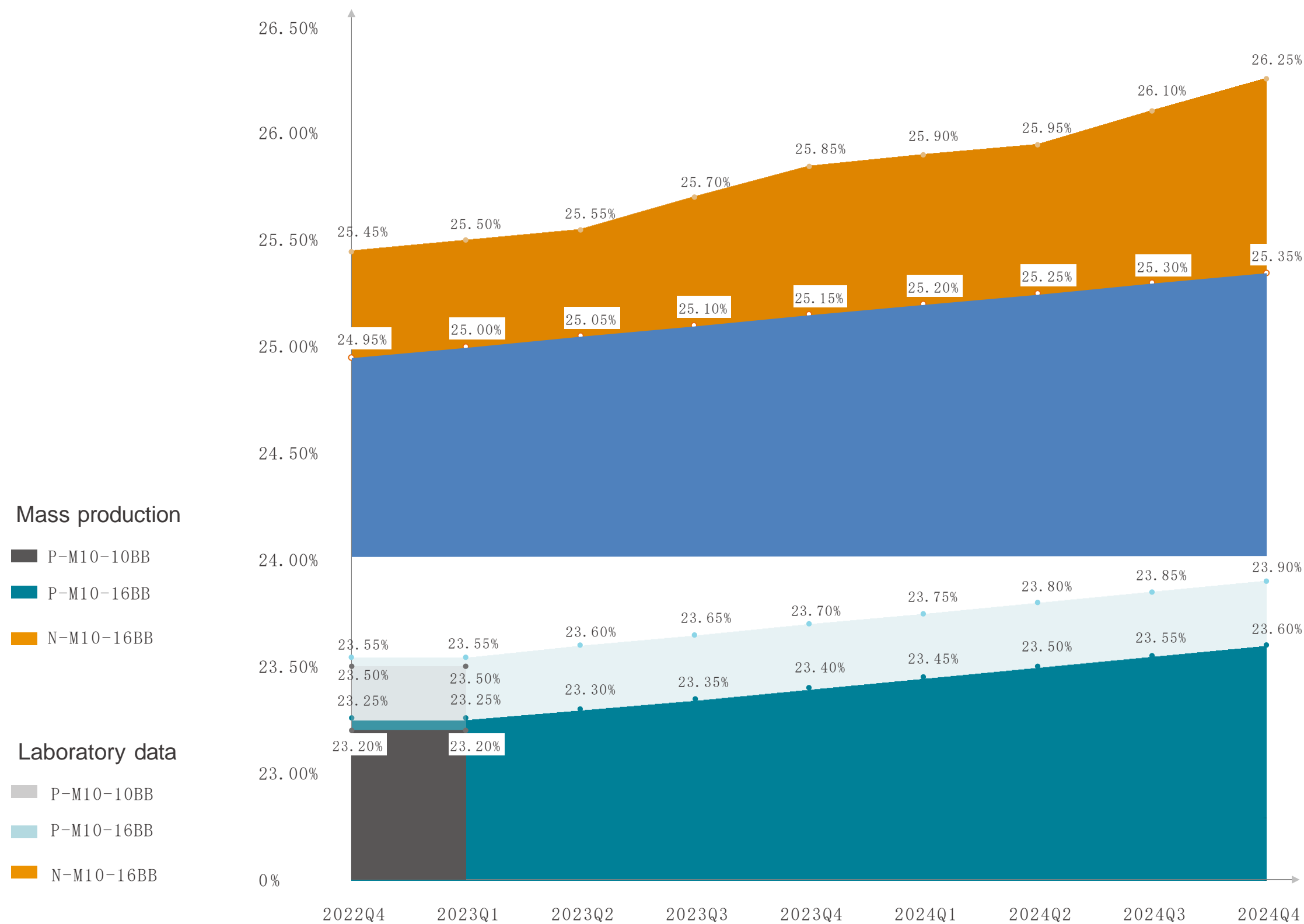


04

PV system solutions



High-efficiency cell roadmap



• P-Type Mono PERC cell

Conversion efficiency

> 23.55%

- MBB/shingling technology
- Mono-facial & bifacial
- Excellent performance in weak light

• N-Type Mono Bifacial Cell

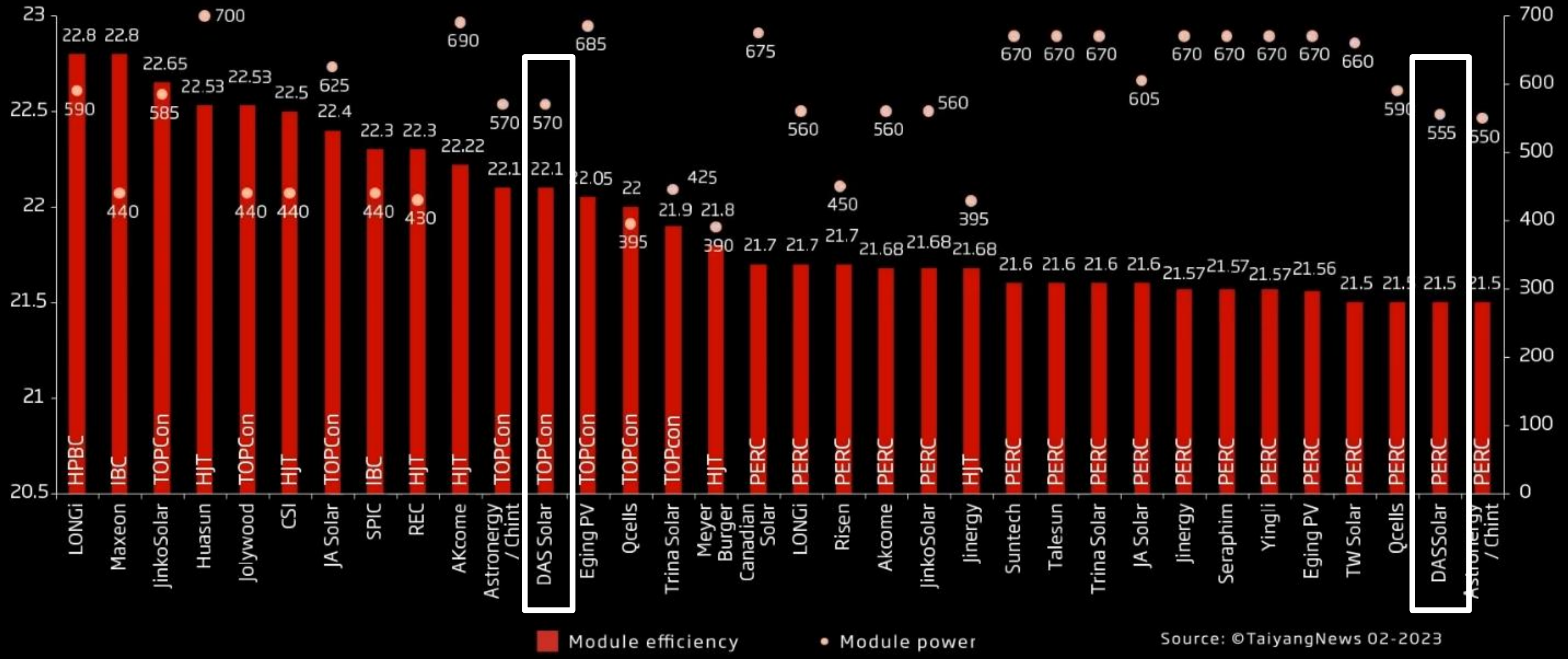
Conversion efficiency

> 25.45%

- SMBB technology
- Bifacial
- Light induced Degradation(LID)

TaiyangNews Solar Facts

Highest Efficient Commercial Solar Modules 02-2023



Source: ©TaiyangNews 02-2023

P-type Mono PERC module

550Wp



Conversion efficiency
21.30%



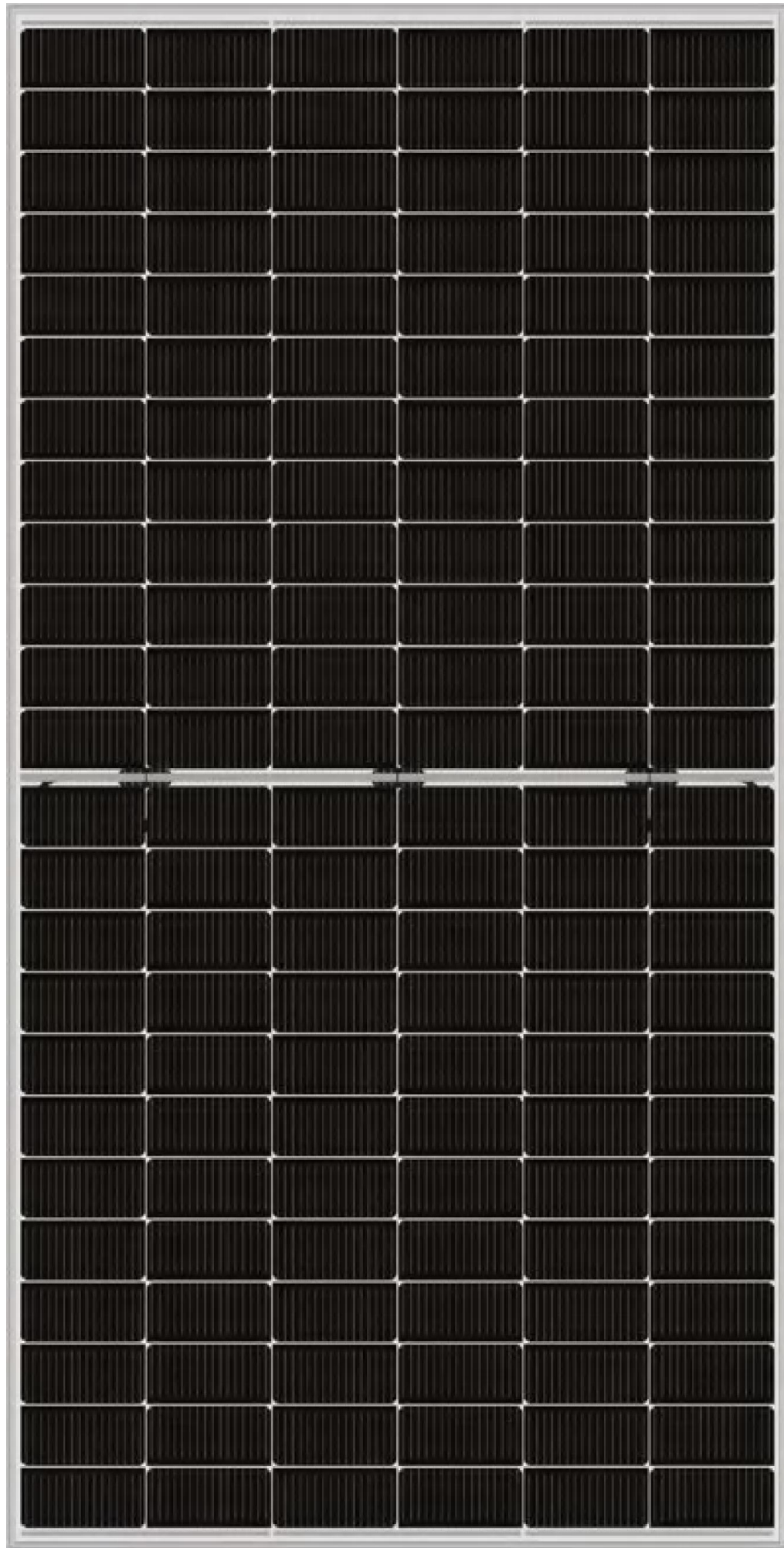
Low operation temperature
43°C



Low fluence response



High reliability
(3X IEC standard test)
TC600/DH3000/
UV200/ETC



N-type Bifacial Double Glass Module 570Wp



Conversion efficiency
22.10%



Excellent performance
in weak light



"0" LID



Low
cracked risk



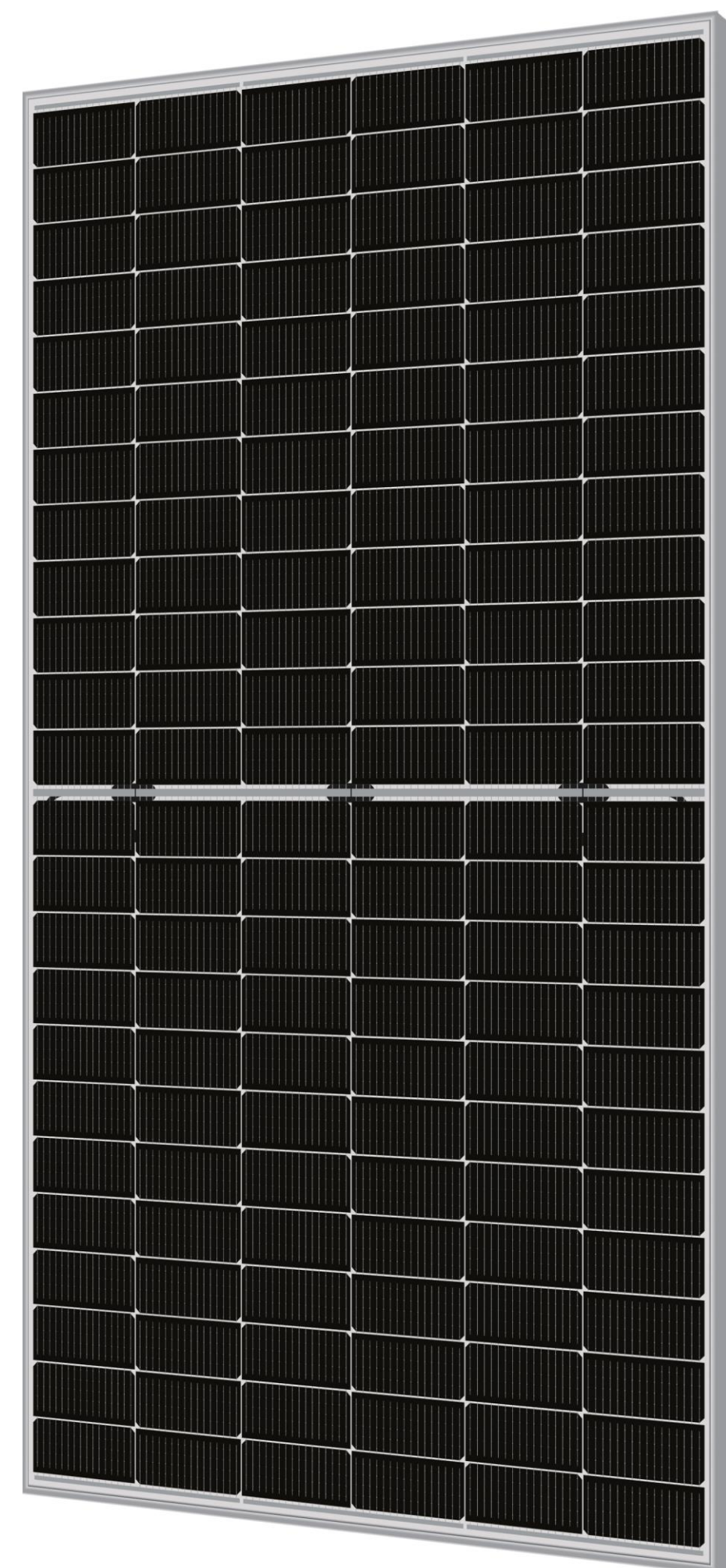
Bifacial ratio
reach **80%**

15 years material warranty

30 years power warranty

-1.00% 1st-year Degradation

-0.40% Annual Degradation



Lightweight High Density Module

415~430Wp



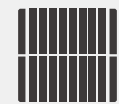
- **4.3kg / m²**
- **70%** lighter than regular PV modules



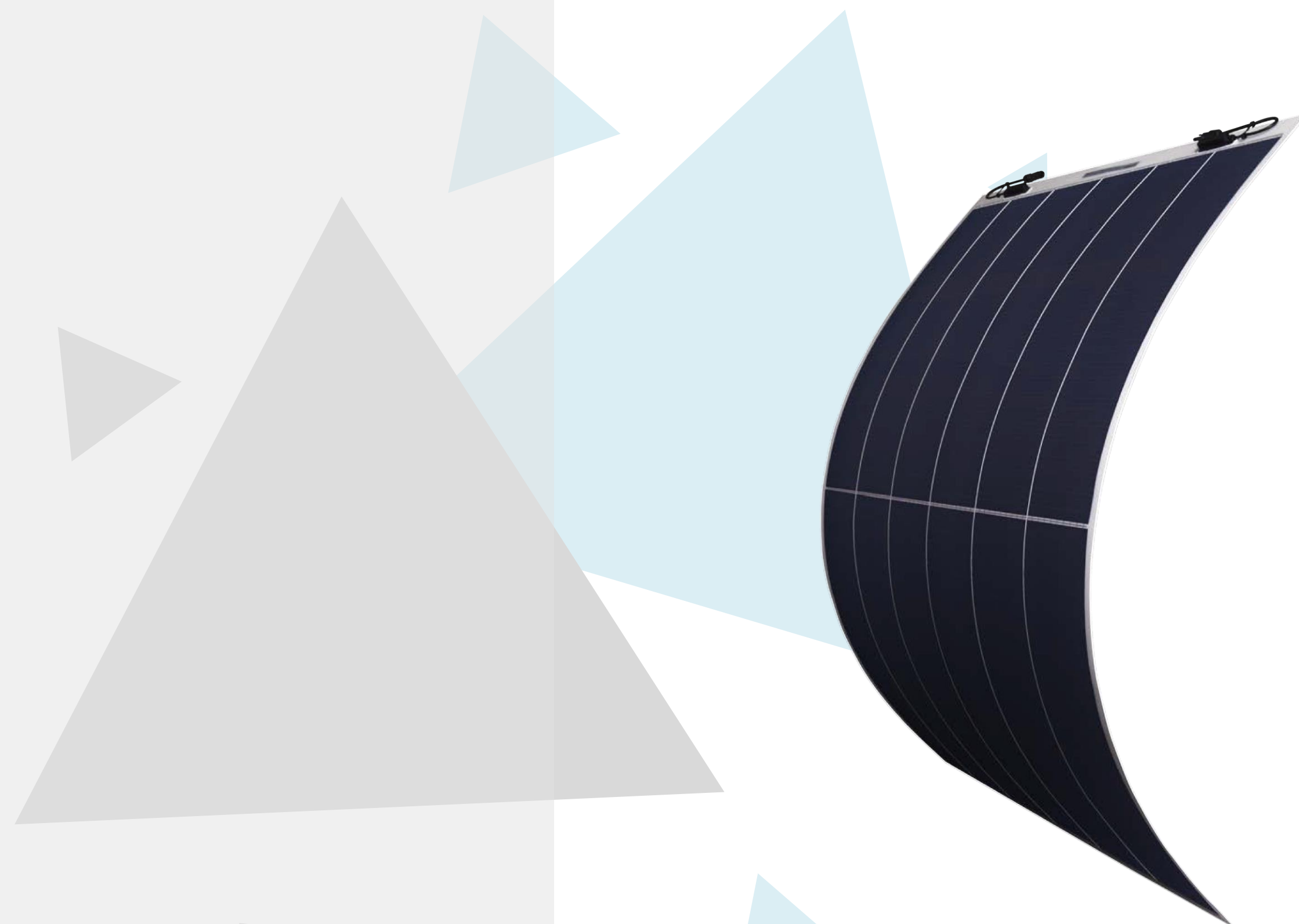
- Flexible
- Bending radius **880mm** fit well for the buildings



- **4mm** thickness
- Lower warehousing and transportation cost



- Low risk of micro-crack,
- High efficiency shingling technology



Product Specifications



Limited Warranty

Lightweight High Density Module

420Wp

Lighter, 4 mm in thickness and 4 KG/m² in weight; softer, fitting the curved surfaces better; thinner, releasing the energy of light

430W

Maximum Power Output

20.8%

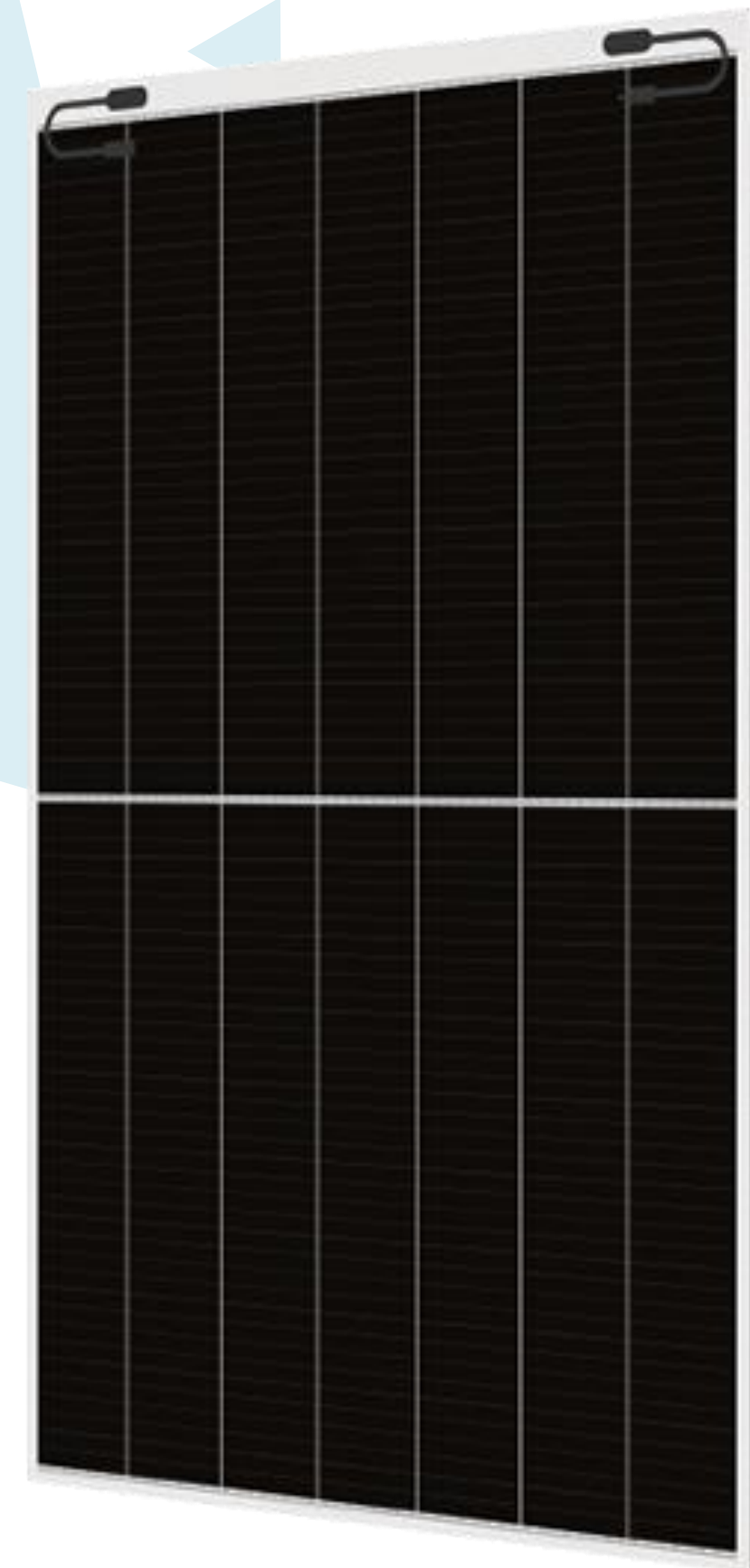
Maximum Module Efficiency

10years

Product warranty

25years

Linear power warranty



Lightweight High Density Module

Lightweight

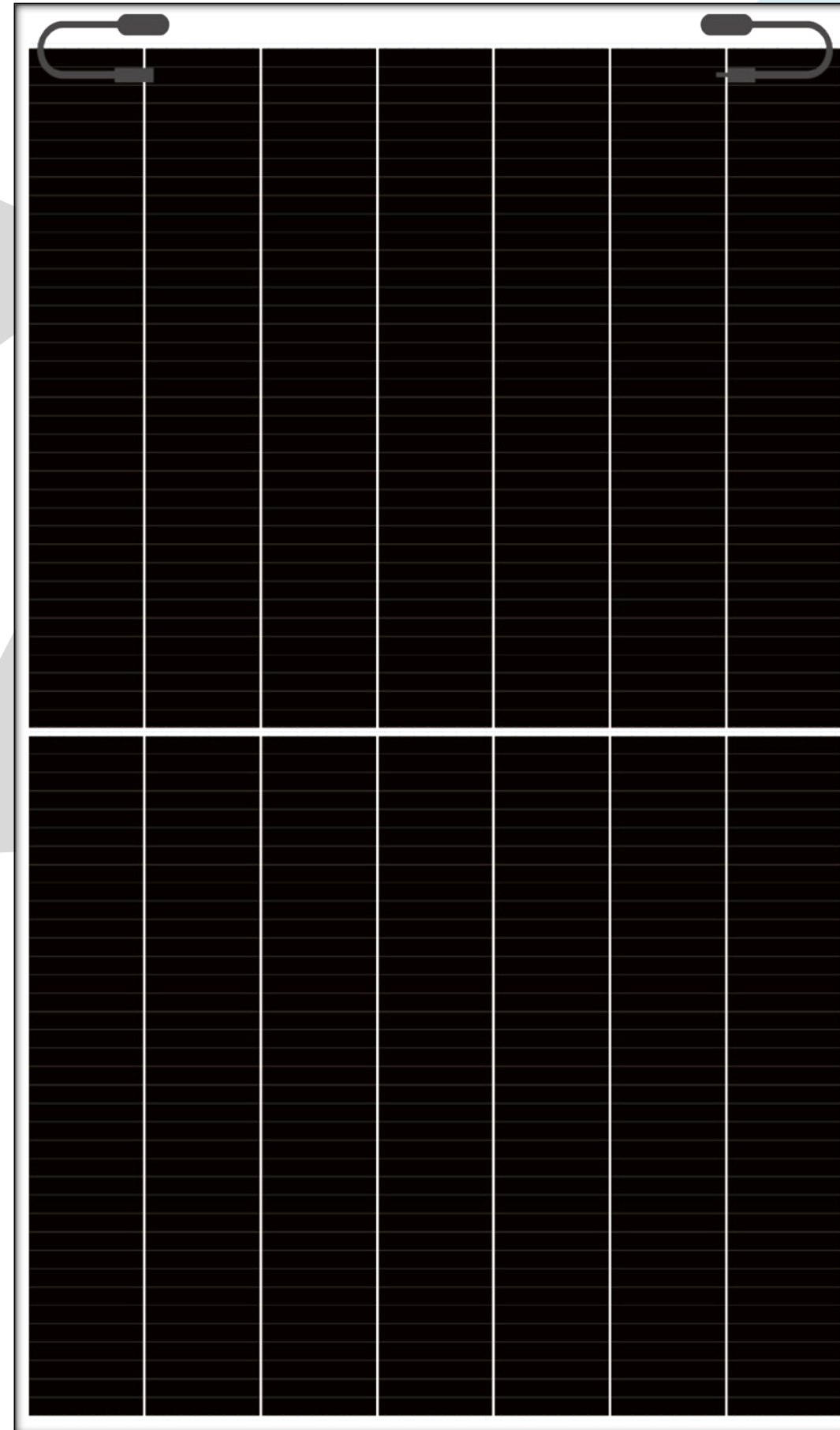
Optimized composite materials, 70% lighter at the same power

Flexible

Flexional encapsulating and patent materials

Excellent Appearance and Performance

Esthetics module design, no flare effect, low risk of micro crack



Easy transportation and installation

Original design making it far less costly for transportation and installation

Customization

Customization for various scenarios, high additional value

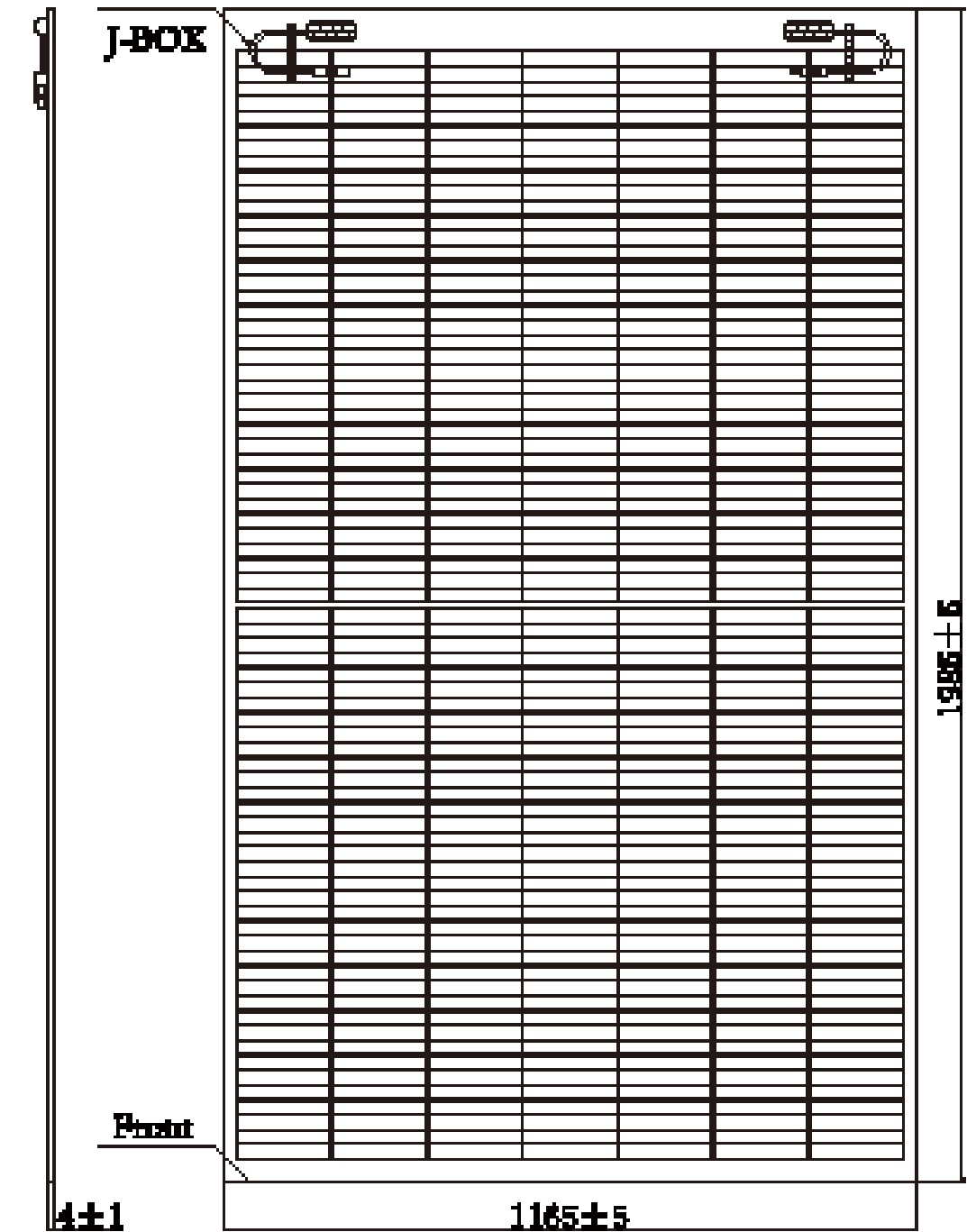
Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

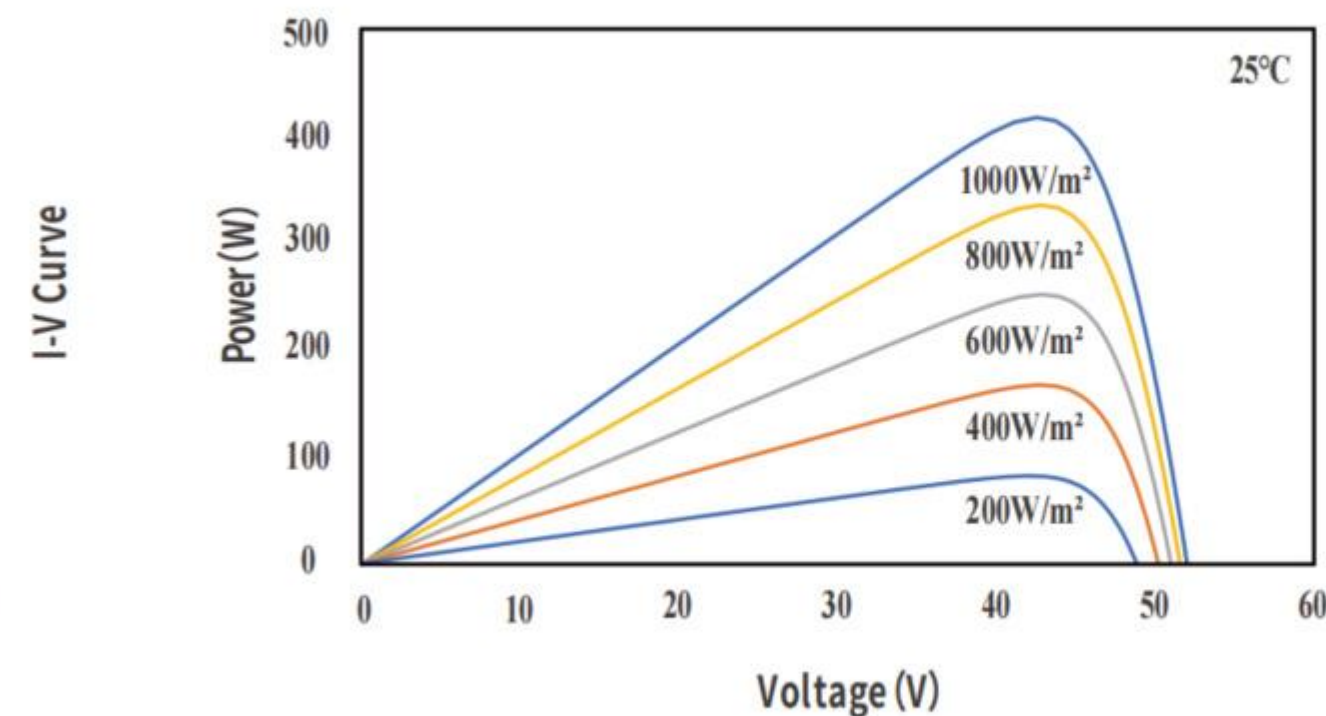
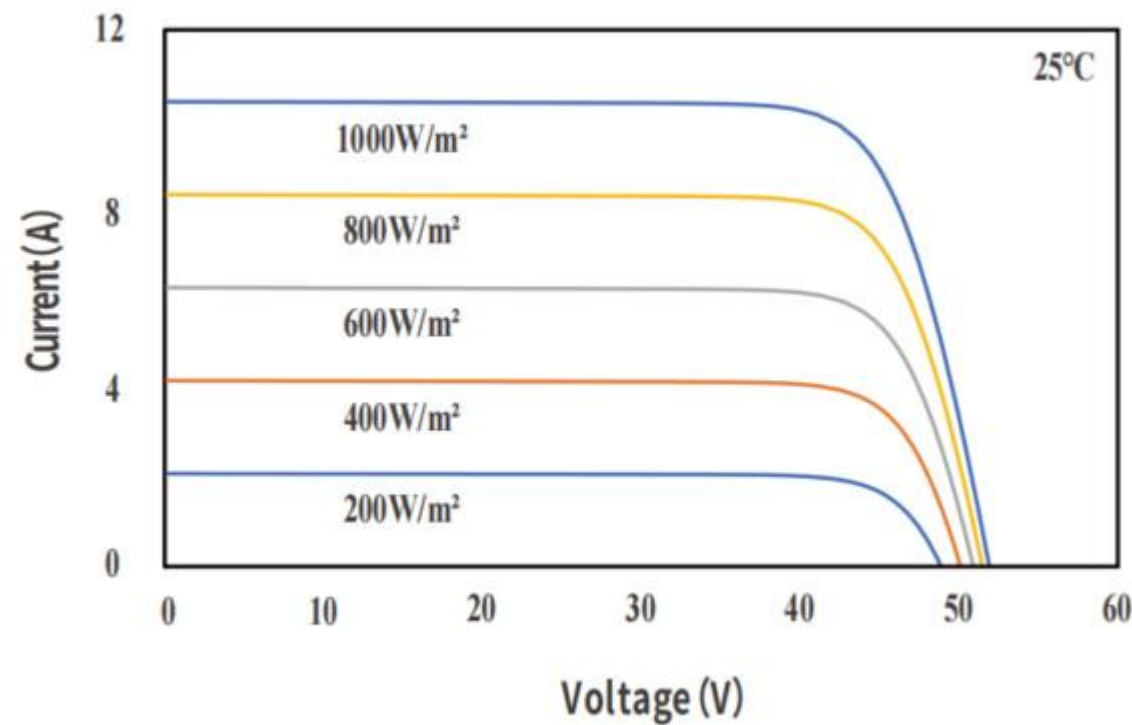
Mechanical Parameters

Cell Type	P Type
Module Size	1985×1165×4mm
Module Thickness	4mm
Module Weight	9.9Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 comparable
Junction Box	IP68, 2 bypass diodes
Back Color	Black / White

Engineering Drawing (MM)



Characteristic Curves(420W)



P-V Curve

Operating Parameters

Max. System Voltage	DC1500V
Power Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Max. Fuse Rated Current	20A
Front Static Load	Snow load 2400Pa, Wind load 2400Pa

Product and Quality Certifications

IEC 61215, IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

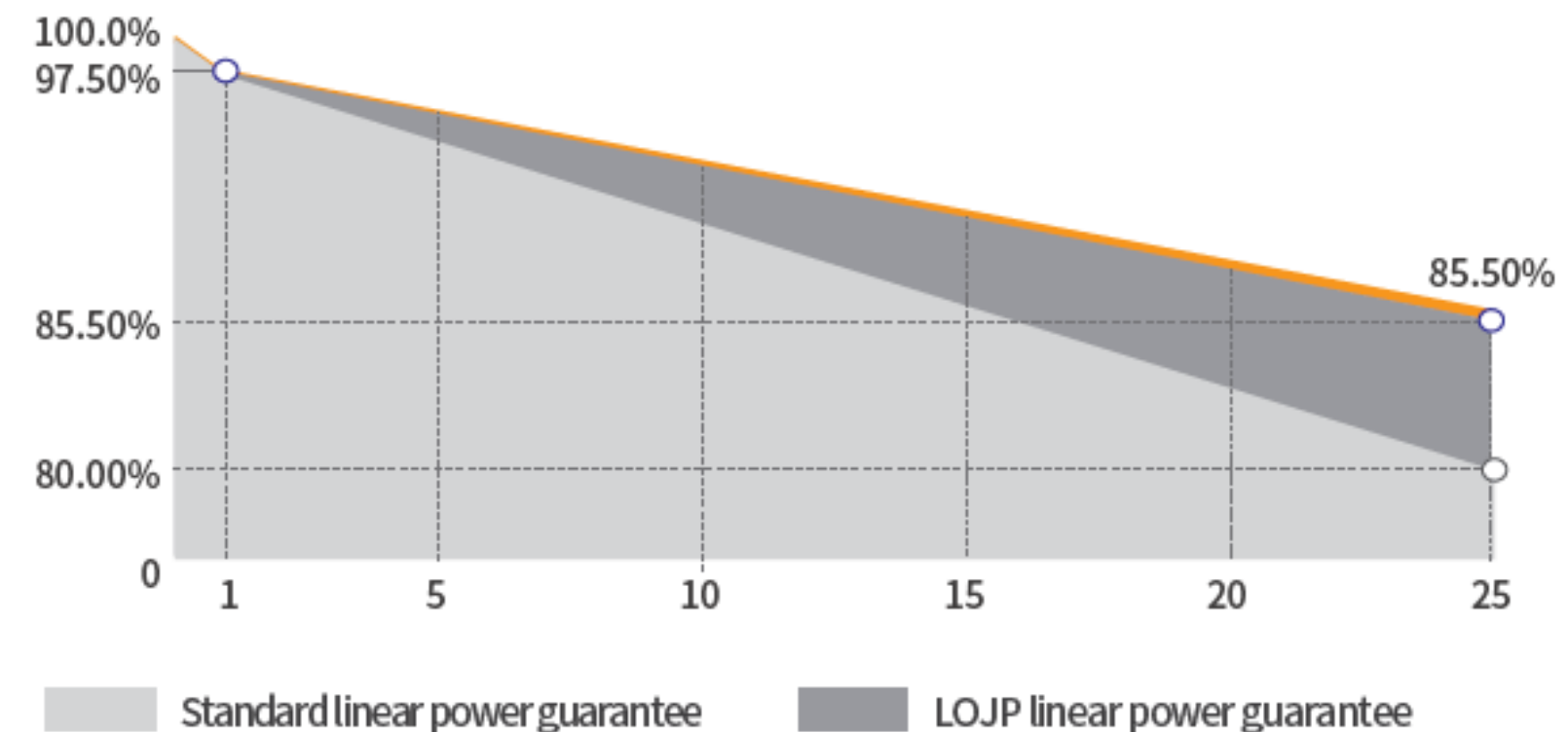
ISO 45001: Occupational Health and Safety Management System



Operating Parameters



Packing Type	20'GP	40'HQ
Piece/Pallet	60	60
Pallet/Container	8	18
Piece/Container	480	1080
kWp/Container	201.6kWp	453.6kWp



Leading product and power warranty

-2.50% 1st-year Degradation **-0.50%** Annual Degradation **10** Materials and workmanship warranty **25** Linear power warranty





MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION

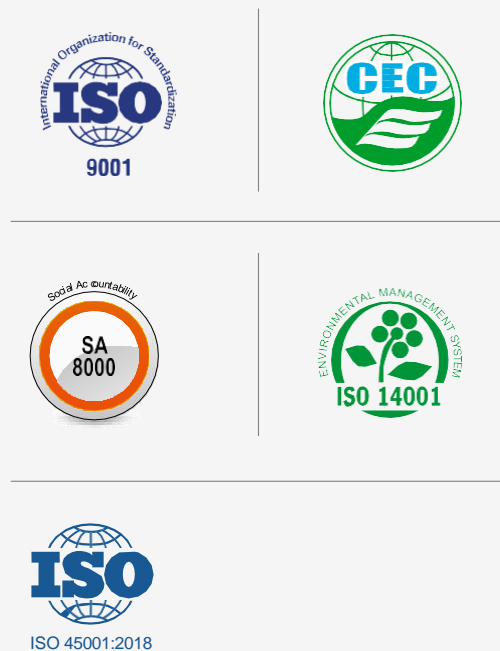
Product certifications

- IEC 61215 & IEC 61730:2005
- IEC 61215 & IEC 61730:2016
- TUV/JET/CQC/CGC/CEC/PCCC
- UL61730
- CE
- JPEA
- BIS
- UKCA
- MCS
- Brazil Inmetro
- KS
- Carbon Footprint 450kg/KW
- WEEE



QS certifications

- SA8000
- ISO9001
- ISO14001
- ISO45001
- IEC62941
- ESG

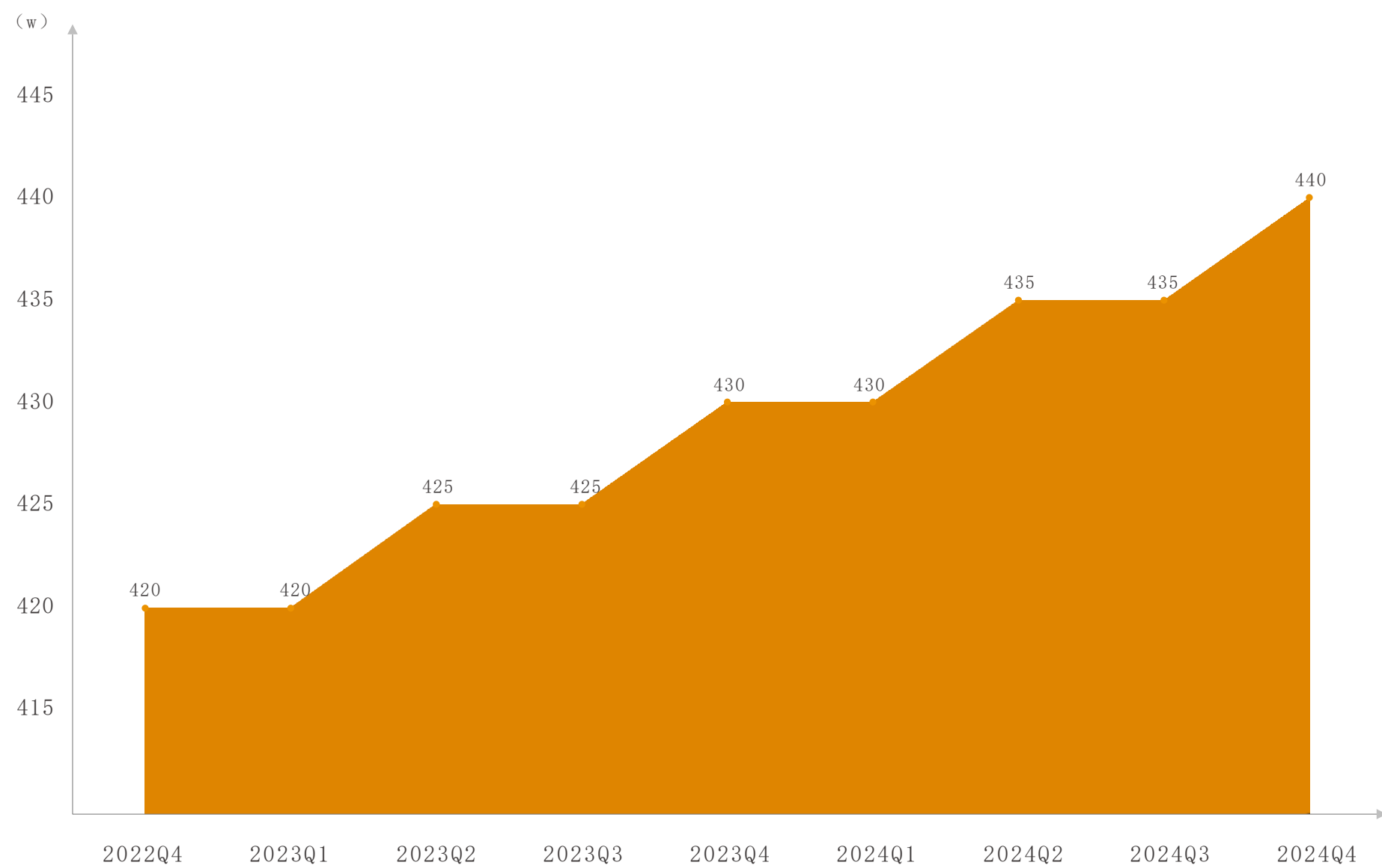


Special certifications & test

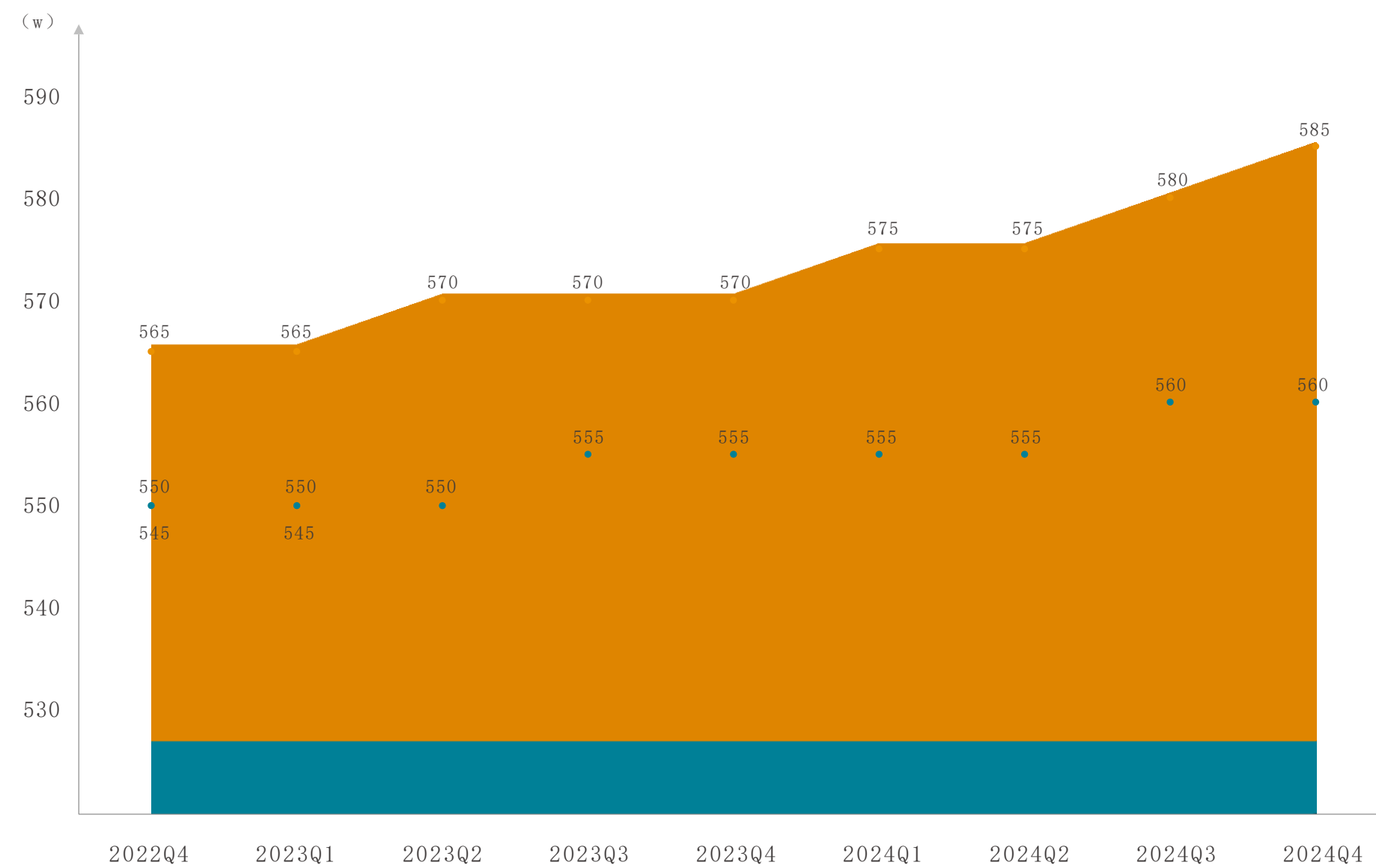
- IEC61701 Salt mist corrosion testing
- IEC62716 Ammonia corrosion testing
- IEC60068-2-68 Sand and Dust Erosion Resistance Test
- IEC62804 Test methods for the detection of potential-induced degradation
- IEC 61215 LID



ROADMAP OF DAS SOLAR CELL&MODULES



N-M10 (54)



P-M10 (72)-16BB

N-M10 (72)-16BB

DAS Solar PV cell
mass production Efficiency > 24.8%

R&D efficiency
> 25%

Bus bars
16BB

Wafer thickness
140μm

Target thickness
100μm

PROJECT COMPARISON



DAON series

BOS cost

-3.57%

LOCE

-3.68%

Electric generation ratio

4.64%

IRR

+0.62%

- Shanghai 10MW project, adopting fixed mounts, surface albedo 40%
- DAON series increases the system yield with low BOS cost and high power generation ratio. In the case of the electric charge is more expensive 0.1 yuan per watt, the system yield increases 0.62% in contrast to P-type.

03

QUALITY
FIRST



QUALITY CONTROL

Each process is inspected by full participation quality control from raw materials to finished products. On-site quality controller ensures the circuit inspection and **100%** AI automatic identification detection in key inspection positions.



Intelligent Controlling

The integrated intelligent management ensures product quality and improves operational efficiency and service efficiency.

Intelligent business management system

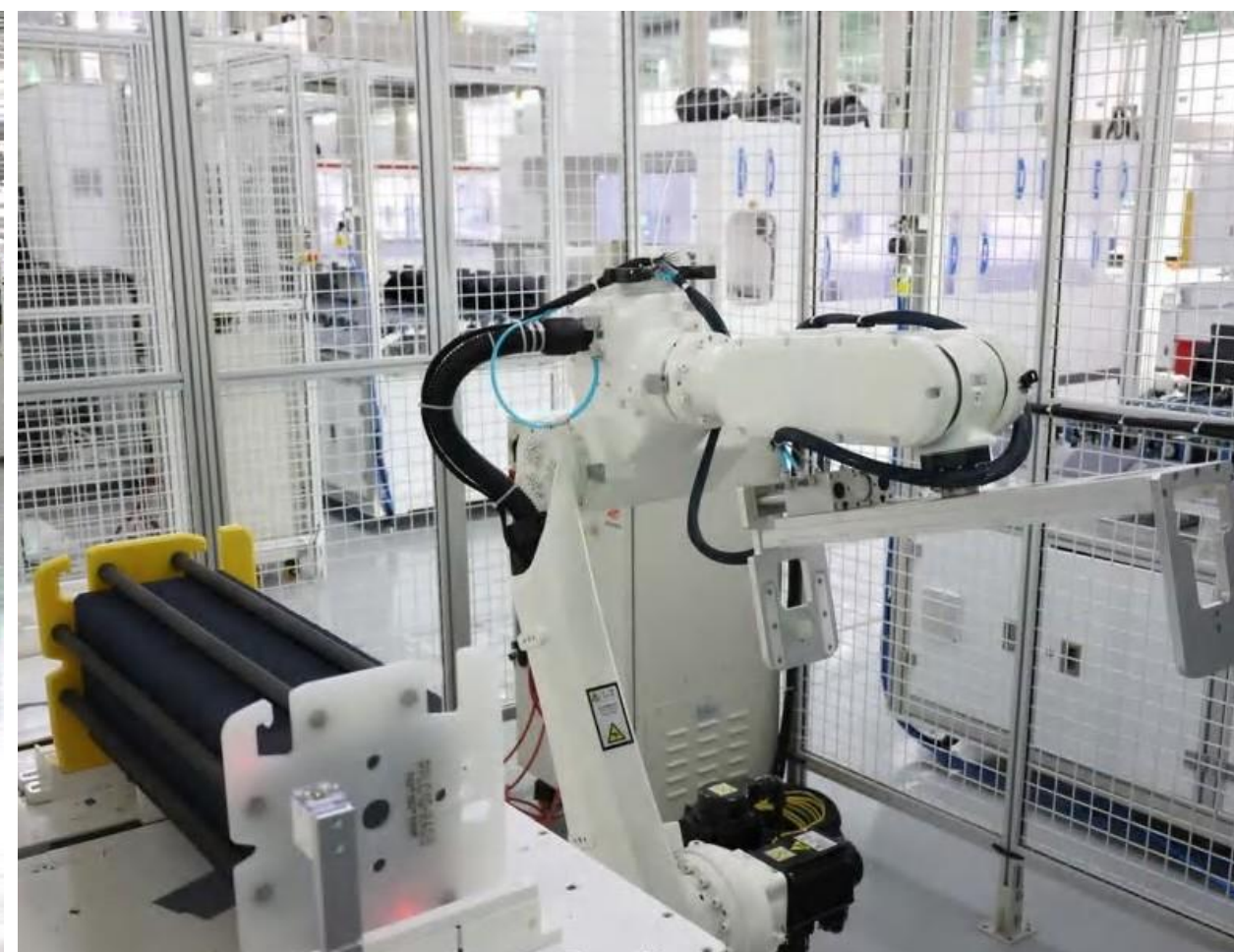
System integration & database:
OA、BI、ERP、CRM、SRM

Intelligent manufacturing

Automation equipment,
packaging lines & robots:
MOM (MES, DAQ)

Intelligent logistics

MCS, Cache warehouse,
AGV/logistics equipment





Pre-Sales

Response within 24h

Quotation within 3 work days

- CRM system
- Contract review process
- Exclusive technical support engineer

Customized solution

- Technical team with more than 5 year experience
- Technical team with vertical industrial chain channel



In-Sales

Delivery in time

- CRM system
- ERP system
- Exclusive order support engineer

Delivery according to quality and technical requirements

- MES system
- First-class equipment
- Comprehensive quality control spots
- Special requirements order management



After-Sales

Response within 24h

8D report within 2 work days

Proposal for resolution within 7 work days

- Professional CQE team
- Exclusive technical support engineer

Customer service

- Visiting for feedback
- On-site service support

04 GLOBAL PARTNERS



GLOBAL PARTNERS



 粤水电	 林洋 LINYANG	 永福 Yongfu	 国家电投 SPIC	 TBEA 特变电工	 洛阳玻璃股份有限公司 Luoyang Glass Company Limited
 中核集团 CNNC	 中国电建 POWERCHINA	 中国能建	 中国三峡 China Three Gorges Corporation	 BAOWU 中国宝武	 东方电气 东方电气自动控制工程有限公司 DONGFANG ELECTRIC AUTOMATIC CONTROL ENGINEERING CO., LTD.
 国家能源集团 CHN ENERGY	 华能 与您携手 改变生活	 上机数控 SHANGJI AUTOMATION	 漳州发展 ZhangZhou Development	 中广核 CGN	 CHINA HUANENG
 IMI Group Since 1989	 水发 SHUIFA	 山东高速集团 SHANDONG HI-SPEED GROUP	 巨化集团公司 JUHUA GROUP CORPORATION	 中国大唐集团公司 China Datang Corporation	 中铁十七局集团有限公司 CHINA RAILWAY 17TH BUREAU GROUP CO., LTD.
 中国华电集团有限公司 CHINA HUADIAN CORPORATION LTD.		 G7 SOLAR next energy	 APOLLON SOLAR UNION OF ENERGIES FINES - A WORLD OF INFINITE ENERGIES		 ENERGY GAP — 未来から今を見る —
 LUXOR the sunshine people		 SUNGROW 阳光电源	 SOLARIA	 krannich	...

05 GLOBAL PROJECTS





220MW

Yunnan, China 2022.08

Power Plant / Mountain

DAS-DH144PA-540W



220MW

Ningxia, China 2021.12

Power Plant / Desert

DAS-DH144PA-540W

150MW

Chengde, Hebei, China 2022.05

Power Plant / Plain

DAS-WH144P6-450W



60MW

Tongliao, Neimenggu, China 2022.06

Power Plant / Grassland

DAS-WH144P6-450W



100MW

Wanan, Jiangxi, China 2021.06

Floating / Water

DAS-WH144PA-535W



183.92KW

Taihe, Jiangxi, China 2021.02

Floating / Water

DAS-LOEP-220W

100MW

Hainan, China 2022.05

Power Plant / PV agricultural combined

DAS-DH144PA-540W



13.5MW

Fujian, China 2022.06

Rooftop / Plant roof

DAS-WH144P6-450W



3.2MW

Jinan, Shandong, China 2022.06

Expressway service area

DAS-DH144NA-550/DAS-LOCP-320W

4.4MW

Vietnam - Lam Dong Province - Bao Loc 2020.12

Utility / Mountain

DAS-WH144P6-440W



3.29MW

Vietnam - Dong Nai Province

Utility | Grassland

DAS-WH144P6-440W



Thailand. Bangkok 2020.02

Commercial&Industrial / Landscape light

DAS-LOCP-330W



6.66KW

Australia. Victoria 2020

6.66kw Residential / Rooftop

DAS-WH120-330W

1.7MW

Honduras. Tegucigalpa 2019.09

Commercial&Industrial / Rooftop

DAS-WH144P-380W



THAILAND Site Reference





100kW

Suniti shrimp farm, Prachuap Khiri Khan

2023.08

DAS-DH144NA-570



40kW

Ratchaprajanuhroh 46, Chainat

2023.05

DAS-WH144PA-550

Thailand Site Reference



118.8kW

S1

2023.08

DAS-WH144PA-550

10kW

S1

2023.08

DAS-WH144PA-550



Thailand Site Reference



10kW

S1

2023.08

DAS-WH144PA-550

10kW

S1

2023.08

DAS-WH144PA-550

30kW

Prasert energy

2023.08

DAS-WH144PA-550

10kW

S1

2023.08

DAS-WH144PA-550

THANK YOU