

Solargiga Energy Holdings Limited

stock code: 00757.HK | en.solargiga.com



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Solargiga Energy

An aerial photograph of a vast solar farm, showing numerous rows of solar panels stretching across a dry, brown landscape. The panels are arranged in neat, parallel lines, creating a strong sense of perspective. A large, semi-transparent orange graphic element, resembling a stylized '1' or a large bracket, is positioned on the right side of the image, partially overlapping the solar panels.

Insight into Solargiga 1

Make the World a Better Place

Founded in 2000, Solargiga Energy is a well-known photovoltaic company. Listed in HKEX in 2008 (00757.HK), Solargiga Energy integrates R&D, production, sales&marketing and system application of PV modules. We employ more than 3,000 staff worldwide and have production bases in Jinzhou (Liaoning), Yancheng (Jiangsu). Our Marketing&Operation Center located in Suzhou (Jiangsu), and set up Beijing Office. Our business footprint covers major PV markets around the globe. We are committed to providing global customers with high-quality PV products, technical support, after-sales services&solutions, and promoting the development of the clean energy industry.

24 Year's Journey

still forging ahead...

2000

2000

Solargiga Energy was officially established

2005

2005

Founding of Jinzhou Yangguang Energy Co., Ltd.

2006

Start of PV cell manufacturing

2007

Start of PV system integration business

2008

2008

Listing of Solargiga Energy Holdings Limited in HKEX
Stock Code 00757.HK

2009

Start of PV module manufacturing

2015

2015

One of the initial suppliers of National Top Runner projects

2016

Set-up of Japan Office

2018

2018

Certified as National Green Factory

2019

Founding of Jiangsu Yueyang Photovoltaic Technology Co., Ltd.
Scaling up of advanced module productivity

2022

2021

Set-up of Suzhou Office
Amplifying the Sales &Marketing framework
Advanced productivity takes up 90% of all

2022

The module capacity is increasing year by year
The module shipment of 2022 has reached over 5GW
Certified as National Pioneer Enterprise of Smart Photovoltaic

2023

2023

Set-up of Beijing Office
Set-up of Australia Office

Productivity Layout

1 + 1 > 2



Module

2023
10GW

2024

20GW



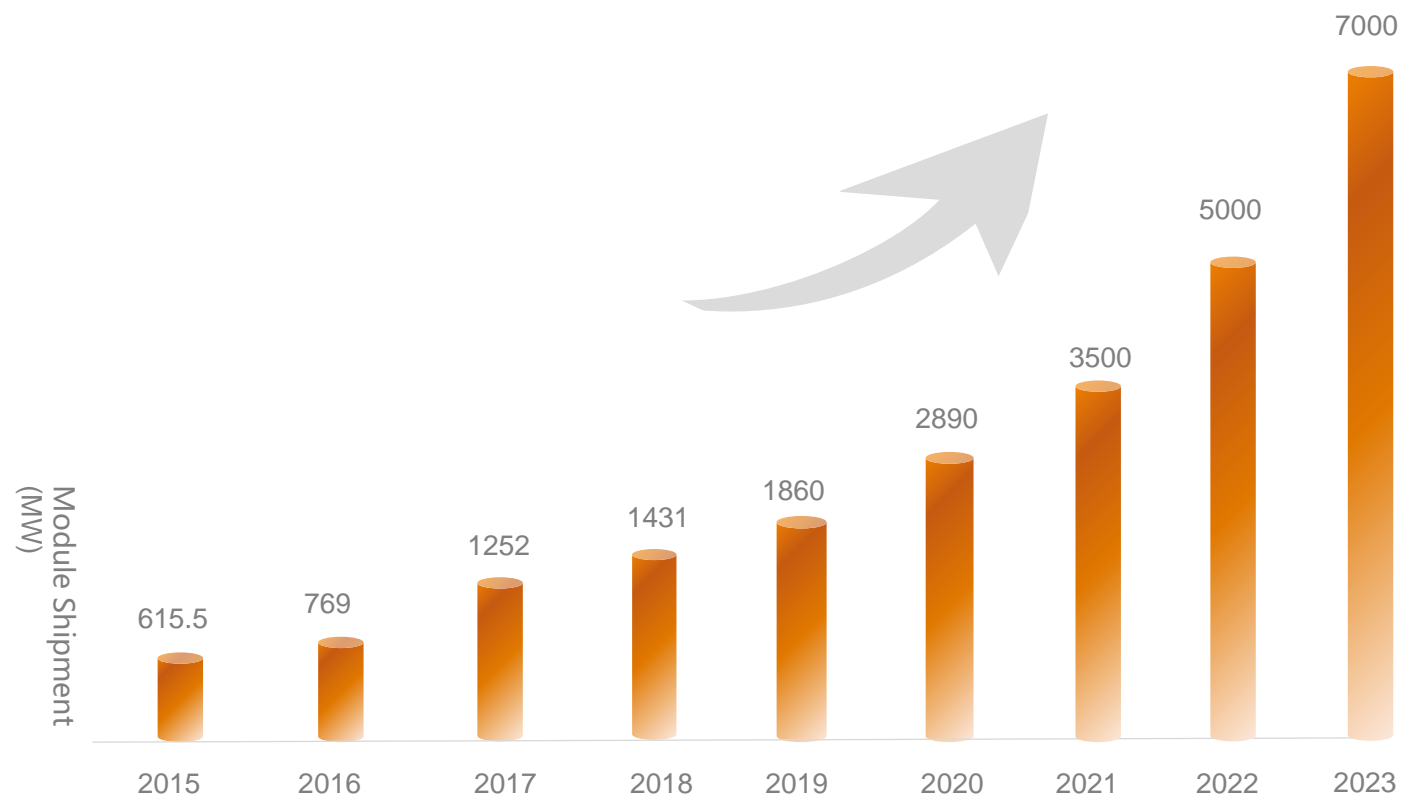
Measurable Performance

never stop climbing...



7GW

The shipment of module is in constant rising year by year since its mass production in 2009, with a witnessed proliferation in recent years. The module shipment of 2023 has reached over 7GW.



Brand Value

in daily progress...



Founded in 2000, Solargiga Energy is **one of the earliest manufacturers of mono-crystalline silicon products.**



Solargiga Energy is a National High and New Technology Enterprise and a National Green Factory.

We are ranked among **2022 Global TOP 500 New Energy Enterprises (No.189), Global Top 100 Competitive New Energy Enterprises (No. 92), 2022 Chinese Top 20 Photovoltaic Module Enterprises (No.12)**, etc.



We are recognized by Sharp, China Huadian Corporation, State Power Investment Corporation, CGN New Energy Holdings Co., Ltd., etc.

Application Scenarios

all-sided touch



A comprehensive product portfolio catering to almost all PV scenarios

A multi-dimensional and customized service system

A flexible business mode in service of diversified project types

BIPV

Design & Delivery

Distributed Power Station

Engineering & Delivery

Large Power Station

Engineering & Delivery

EPC Service

For all kinds of power stations



Allies along the Way 2

Global Partners

reputation brings relation



SHARP



中广核  CGN



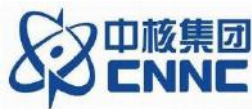
阳光电源
SUNGROW



CEEC
中国能建



ENERGY  VISION



Trinasolar
天合光能

smile energy.
development | trading | retail | production

swiss solar

CHINT



ReneSola



Supply Chain

selected and verified





Keys to Sustainability 3

Innovative Roadmap

2023-2024

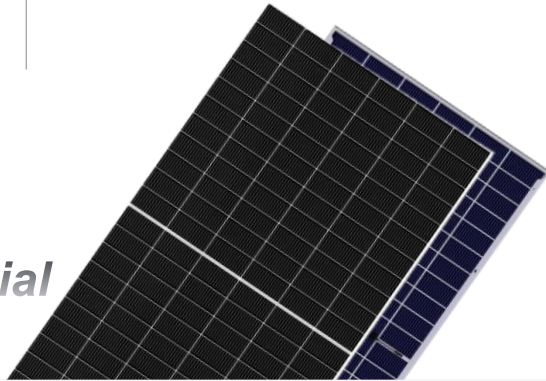


Product Matrix



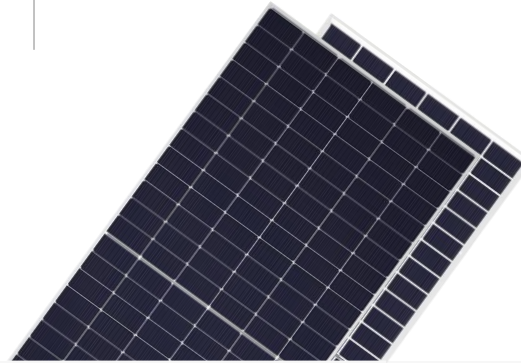
Bifacial 210R 66 Cells

N-Type: JMPV-XVT6/66-605~620(R)



Bifacial 182 78 Cells

N-Type: JMPV-XV6/78-625~640 (R)



Mono 210 66 Cells

P-Type: JMPV-T1/66-660~670 (R)

Bifacial 210 66 Cells

P-Type: JMPV-TV2/66-660~670(R)

N-Type : JMPV-TV6/66-695~715 (R)

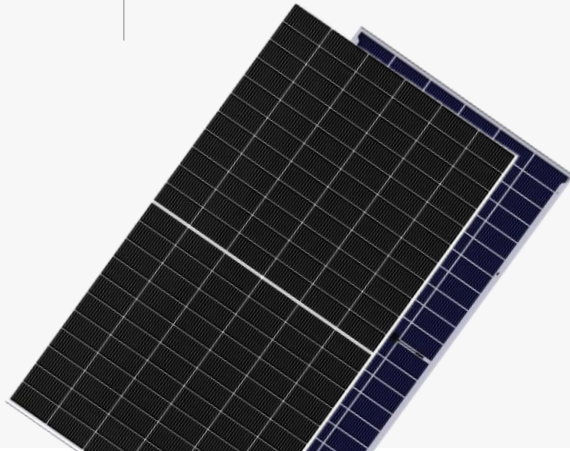


*Industrial and Commercial
Distribution*

Large Power Station

Bifacial 210R 66 Cells

N-Type: JMPV-XVT6/66-605~620(R)



Mono 182 72 Cells

P-Type: JMPV-X1/72-545~555 (R)

N-Type: JMPV-X6/72-580~590(R)

Bifacial 182 72 Cells

P-Type: JMPV-XV2/72-545~555 (R)

N-Type: JMPV-XV6/72-580~590(R)



Mono 210 66 Cells

P-Type: JMPV-T1/66-660~670 (R)

Bifacial 210 66 Cells

P-Type: JMPV-TV2/66-660~670(R)

N-Type: JMPV-TV6/66-695~715 (R)



Product Matrix

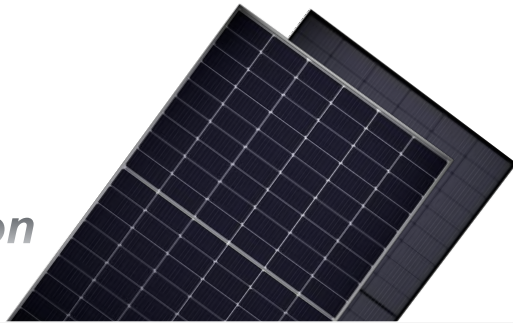


Mono 182 54 Cells

P-Type: JMPV-X1/54-410~420 (R)

Bifacial 182 54 Cells

P-Type: JMPV-XV2/54-410~420 (R)

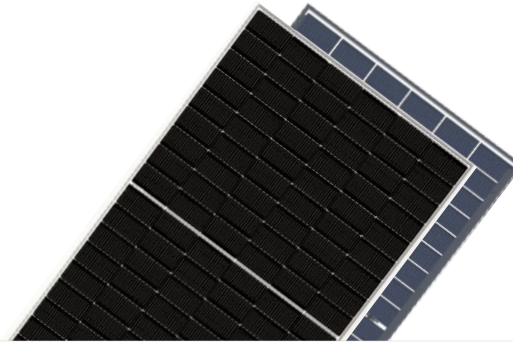


Mono 182 54 Cells

N-Type: JMPV-X6/54-425~440 (R)

Bifacial 182 54 Cells

N-Type: JMPV-XV6/54-425~440 (R)

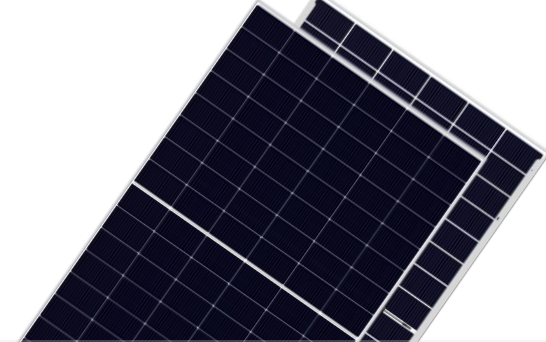


Mono 210R 48 Cells

N-Type: JMPV-XT6/48-445~455 (R)

Bifacial 210R 48 Cells

N-Type: JMPV-XVT6/48-445~455 (R)

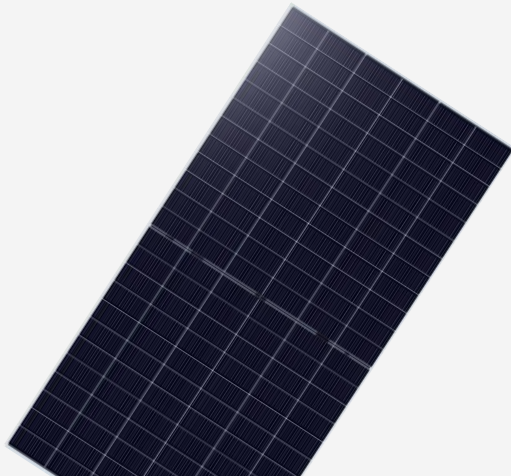


Residential Application

BIPV Application

N-Type Module for residence

545-555W 72 Cells



IBC Module for residence

350-360W 48 Cells



182 Tile Module for residence

56-66W



Flexible Module Mono 182 32 Cells

JMPV-XQ1/32-225~235(R)



Technology Highlights



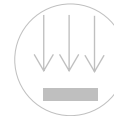
High Efficiency, High Power

Multi-Busbar bifacial PERC technology with more current collection.
Half cell design reduces inner current loss, improving power output.
Rear power generation up to 5-25%.



Advanced Cell to Module Technology

Optional for M10/G12 mono or bifacial cells, N-type is also available.



Enhanced Mechanical Load

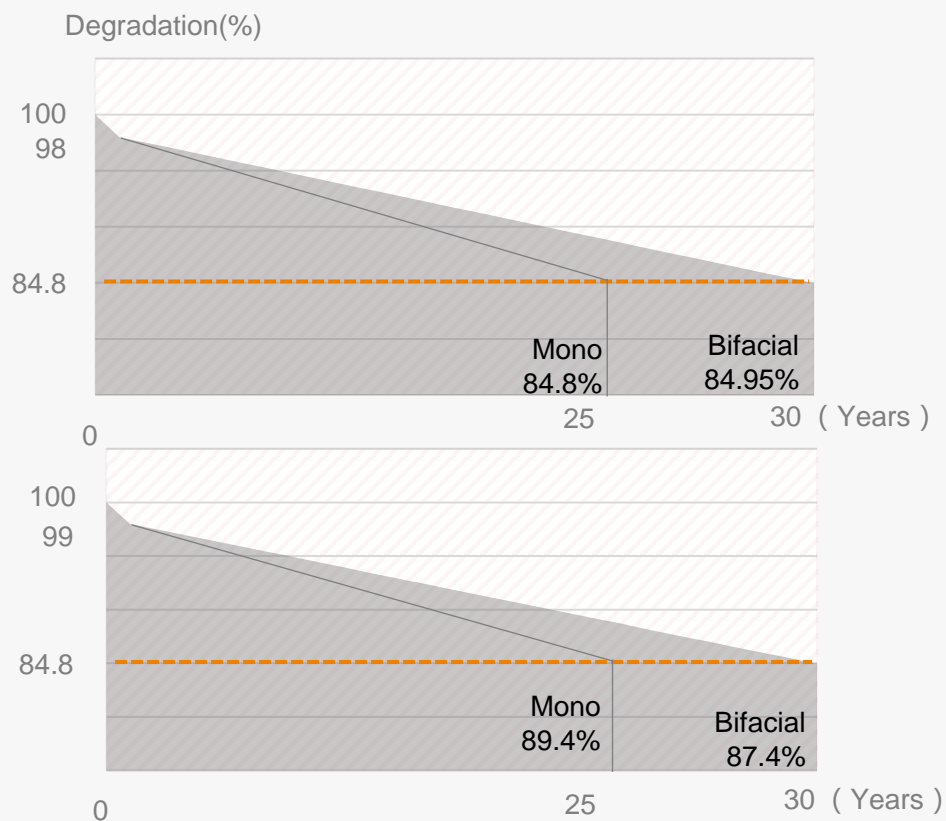
5400 Pa snow load 2400 Pa wind load



Premier Solution for various application scenarios

M10/G12 high power module enables lower BOS cost
and reduces LCOE

Trustworthy Quality



Lower Annual Power Degradation Reliable Linear Performance Warranty

25/30-year linear performance warranty

2% for the first year, 0.55%(mono)/0.45%(bifacial) annual degradation.

The first year of N-type products degradation is less than 1%,

and ensure that the output power of N-type products after 30 years is not less than 87.40% of the original power.

Fully certified by professional organizations



R&D Achievements



Committed to Innovation

Solargiga Energy is committed to innovation, investing about 5% of its operating revenue in R&D and innovation every year on average. We have won 400+ national patents, 50+ science and technology awards.

Industry-University-Research Cooperation

Solargiga Energy and Shenyang Jianzhu University jointly developed BIPV series products. Solargiga Energy is also collaborating with Dr. Rui Wang's team at Westlake University, and the laboratory of Zhejiang University on photovoltaic perovskite technology research.

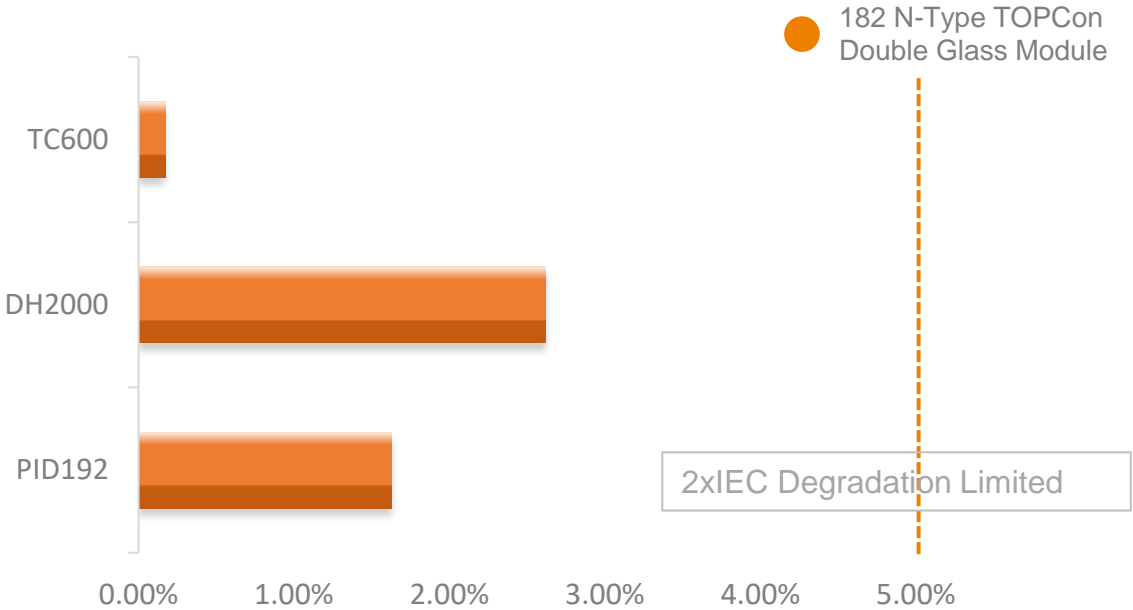
Constantly Upgrading Technology

Solargiga Energy has successively accelerated the innovation of M10 and G12 module. N-type bifacial cell, and N-type bifacial module. We own the most cutting-edge N-type IBC cell technology and FPC module sealing technology.

CNAS Certified Laboratory

China National Accreditation Service for Conformity Assessment certified laboratory.

Test Performance



Testing Information

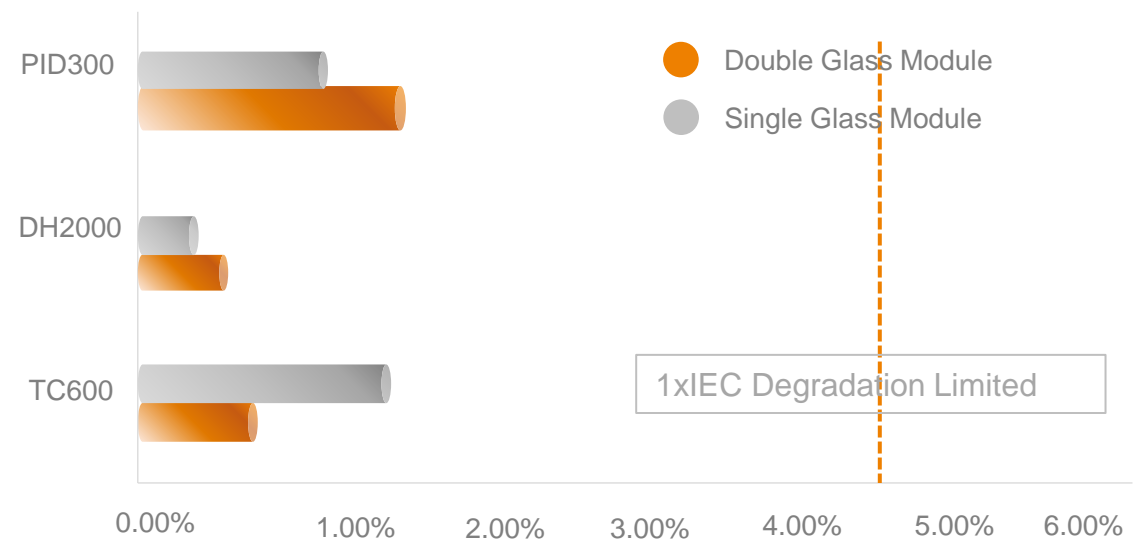
Test Lab: TÜV

Test Period: From January to May 2024

182 double glass Module: JMPV-XV6/78-620(R)

Item	PID192	DH2000	TC600
182(M10) Double Glass	1.63%	2.62%	0.17%

Test Performance



Testing Information

Test Lab: UL Test

Test Period: June to November 2021

182 double glass Module: JMPV-XV2/72 · 545 (R)

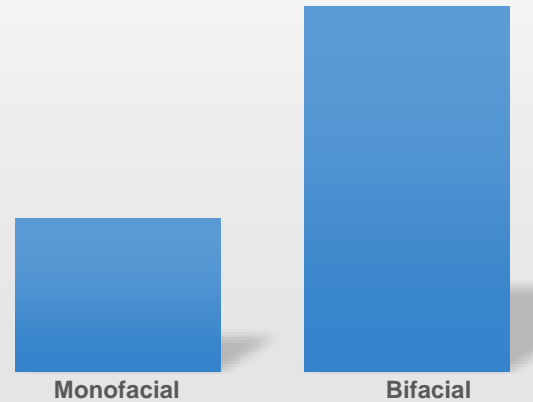
182 single glass Module: JMPV-X1/72 · 545 (R)

Item	LeTID	LID60	PID300	UV60	DH2000	TC600
182(M10)Single Glass	1.45%	0.31%	1.34%	0.41%	0.44%	0.51%
182(M10)Double Glass	1.03%	0.42%	0.90%	0.44%	0.27%	1.21%

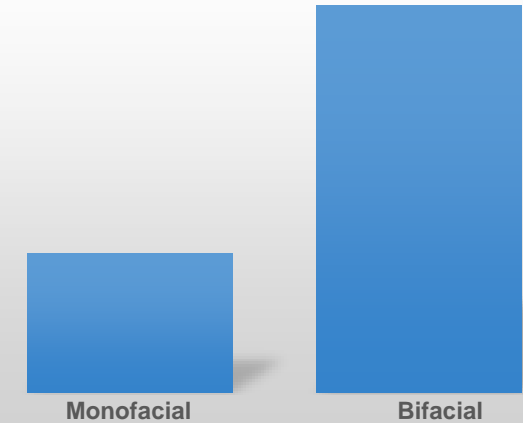
Outdoor Power Generation Test



Energy gain rate (%)



Yield per W (Wh/Wp)

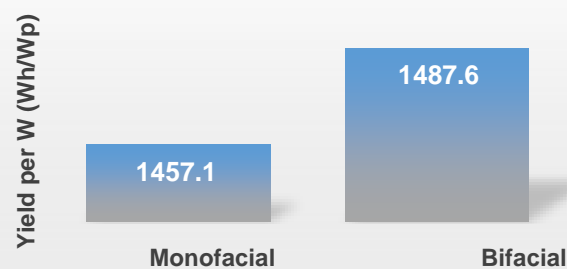


Location	Hot and humid climate in Hainan, dry and hot climate in Xinjiang, plateau climate in Tibet
Module Type	182 Bifacial JMPV-XV2/72-535(R), module barcode:YY21417SY0008\YY21417SY0018, etc. 182 Mono JMPV-X1/72-535(R), module barcode:Y214222M05630\Y214222M0617, etc.
Test Time	2020-2022

Outdoor Test

Hainan

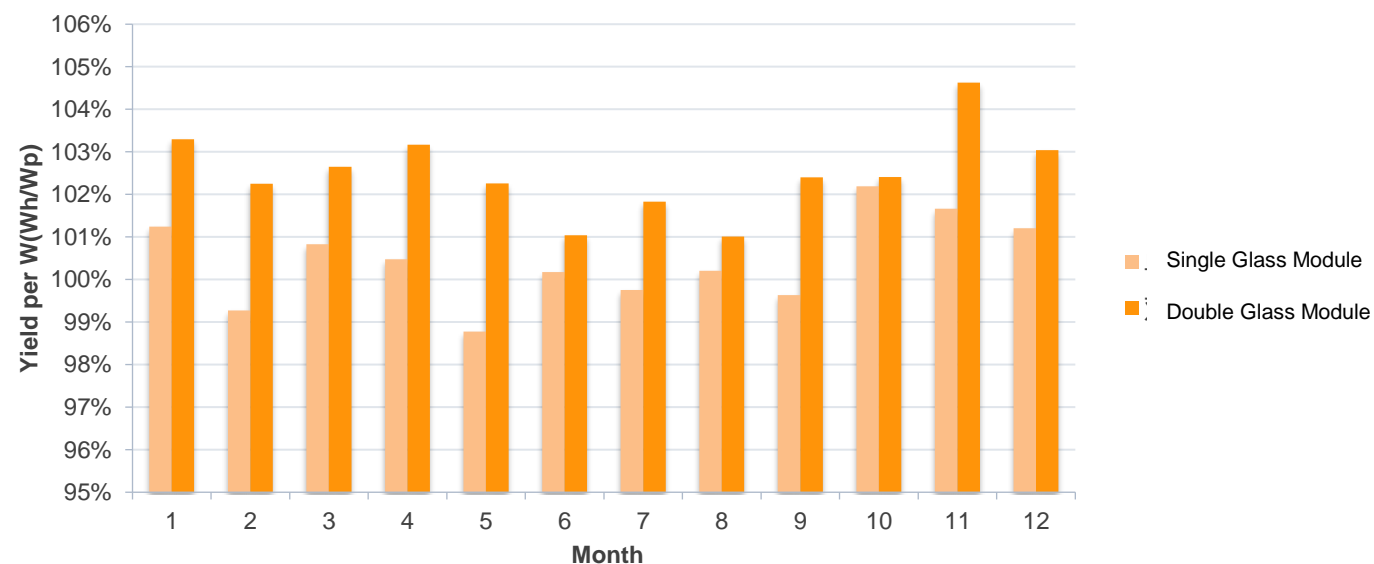
Yield comparison of 182mm



Energy gain comparison of 182mm



Comparison of yield per month(182mm)

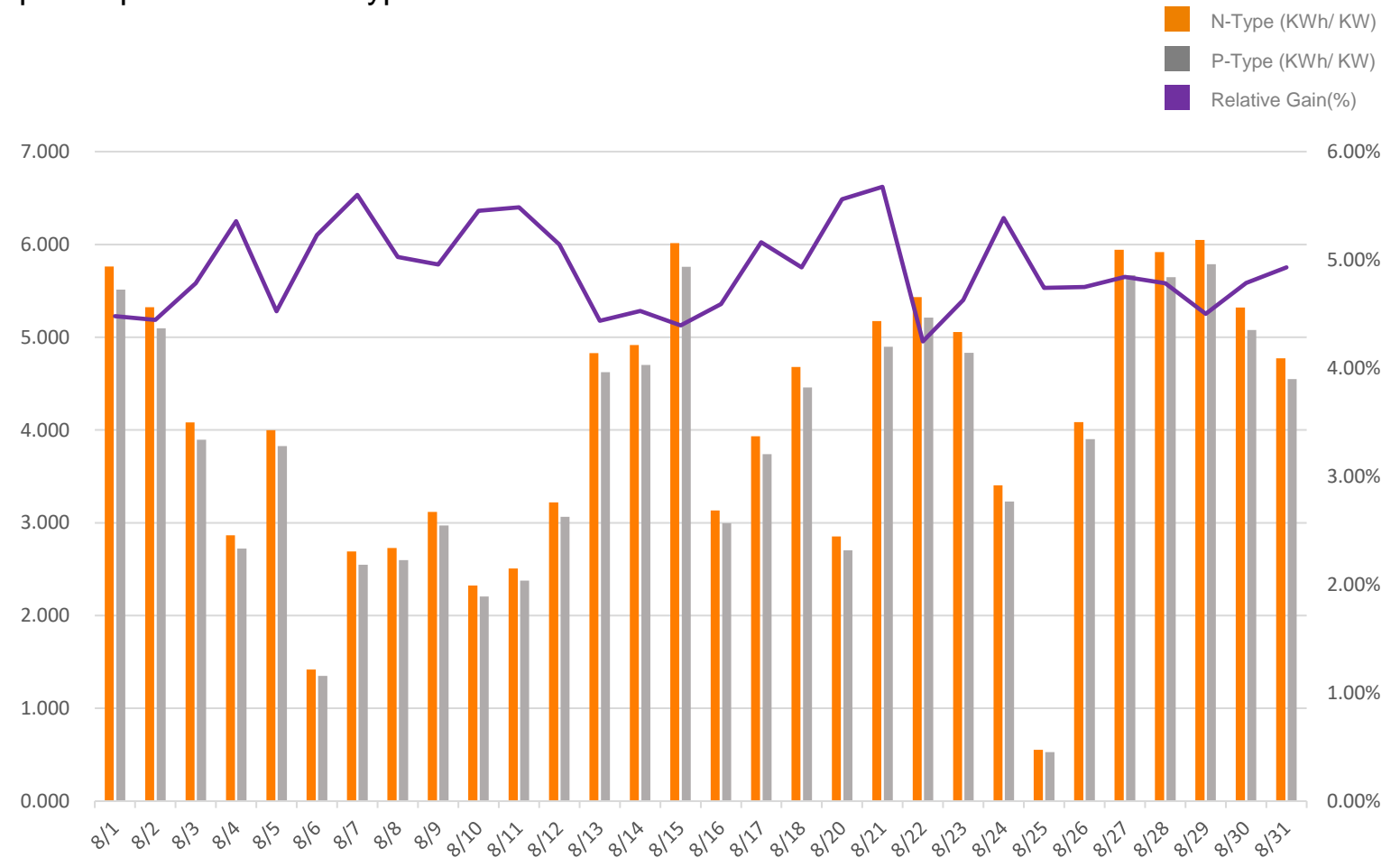


Location	Hainan, China - hot and humid condition
Module Type	182 Bifacial Module/182 Mono Module
Test Content	Module surface temperature/site weather data/real-time detection of power generation performance of the series/laboratory I-V and EL test
Test Time	2021-2022

Outdoor Test

Hainan

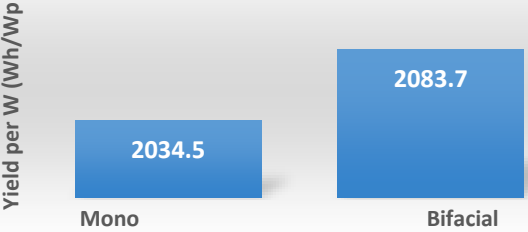
N-type modules generate **4.9%** more power per watt than P-type modules.



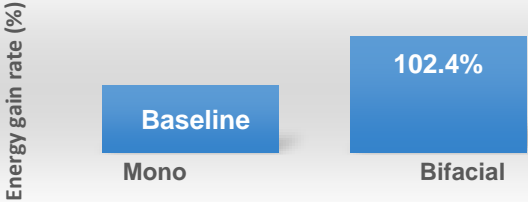
Outdoor Test

Tibet

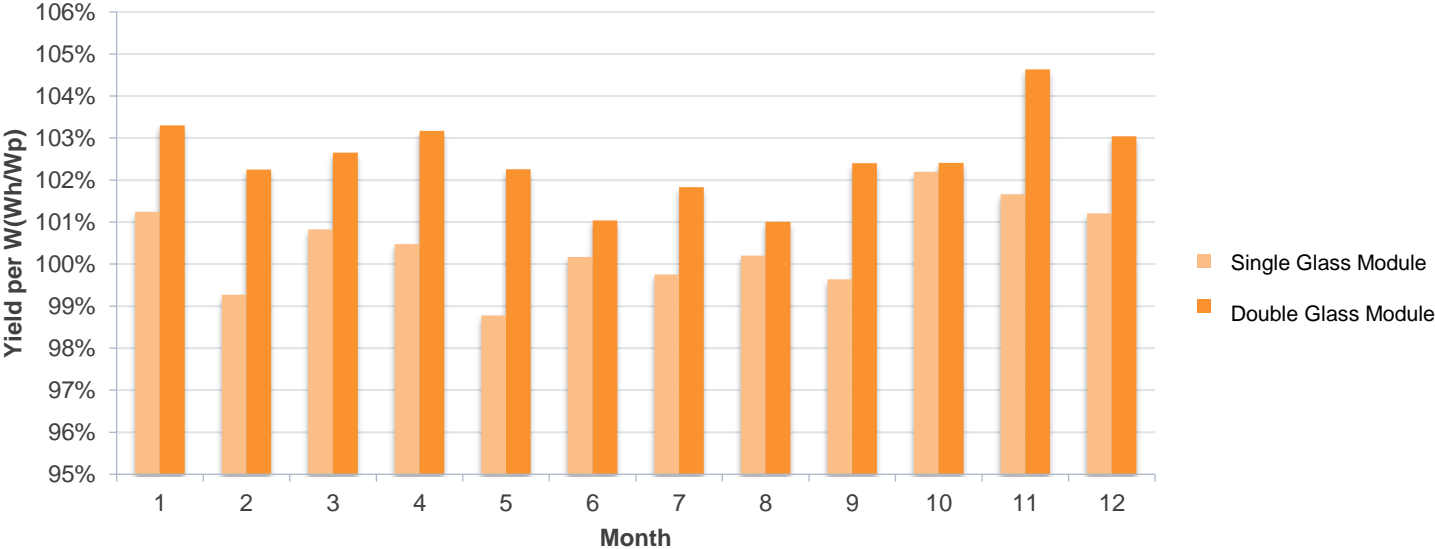
Yield comparison of 182mm



Energy gain comparison of 182mm



Comparison of yield per month(182mm)



Location	Tibet, China - dry and cold condition
Module Type	182 Bifacial Module/182 Mono Module
Test Content	Module surface temperature/site weather data/real-time detection of power generation performance of the series/laboratory I-V and EL test
Test Time	2021-2022

A black and white photograph of two workers in hard hats and safety vests inspecting solar panels on a roof. One worker is holding a laptop. The image is partially covered by an orange curved graphic on the left side. The text 'Gallery of Projects 4' is overlaid in white at the bottom right.

Gallery of Projects 4



Florina, Greece | 4.5MW Large Power Station
2023 Bifacial Module 545W



Mypolonga, Australia | 4.95MW Large Power Station

2022 Bifacial Module 405W



Anda, Heilongjiang | 500MW Large Power Station

2021 Bifacial Module 375W/445W



Qinglong, Guizhou | 90MW Large Power Station
2021 Mono Module 445W



Dalat, Inner Mongolia | 300MW Large Power Station

2019 Bifacial Module 310W



Ningxin, Tianjing | 30MW Large Power Station
2019 Mono Module 305W



Kaiping, Guangdong | 150MW Large Power Station
2022 Bifacial Module 455W/545W



Kwo Tung, Hongkong 78.3KW | Commercial Roof



Mong Kok, Hong Kong 78.3KW | Commercial Roof



Shouguang, Shandong | Large Power Station
2022 Bifacial Module 655W



Poland 200KW | Industrial Roof



Thailand 700KW | Industrial Roof



Golmud, Qinghai | 20MW Large Power Station
2018 Mono Module 275W



Linjiang, Jiling 2.96MW Distributed Power Stations



Jinzhou, Liaoning 5.04MW Distributed Power Stations



Zhuolu, Hebei | 7.8MW Distributed Power Station
2018 Mono Module 285W



Jinzhou, Liaoning 10MW Large Power Station



Baishan, Liaoning 1.64MW Distributed Power Stations

An aerial photograph of a vast solar farm, showing rows of solar panels stretching towards the horizon. A large, semi-transparent orange arc is positioned in the lower right corner, partially overlapping the solar panels. The text "Future in Position 5" is written in white, bold, sans-serif font across the bottom of the image, with the number "5" being significantly larger than the rest of the text.

Future in Position 5

Global Network



Our business footprint covers major PV markets around the globe.

We have set up offices in **China, Japan, Australia and Germany.**

We devote to being the world's leading manufacturer of PV products.

Business Layout



Europe - Business share: 20%

Primarily in Germany, France, Italy, Spain

North America - Business share: 10%

Mainly in the United States, Mexico

To develop business in North America

Asia - Business share: 50%

Anchored in China

Explore Japan, Vietnam and other Asian markets

Africa - Business share: 5%

Mainly in South Africa, Kenya

To develop the African business footprint

South America - Business share: 10%

Mainly in Brazil, Chile

Provide solutions for South American customers

Oceania - Business share: 5%

Develop the Oceania market

Mainly in Australia

Anchored in **China**,
we continue to cultivate the Asian
market

Committed to exploring the **European**,
North American, **Asia Pacific**, **South
American** markets

Provide global customers with high-
quality PV products, technical support,
after-sales service&solutions.

Thank you



@Solargiga Energy