

Suntech

Stand the Test of Time

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01 About SUNTECH

About SUNTECH

Founded in 2001, Suntech is a world-renowned manufacturer of photovoltaic (PV) products, engaged in the R&D and production of solar cells and modules. As a pioneer in the global PV industry with 25 years of module manufacturing experience, Suntech has established a worldwide sales network, positioning itself as a reliable and sustainable energy partner to its customers.

25yrs
Of Manufacturing
Experience

100+
Countries and
Regions Covered

5000+
Global Partners

600+
Authorized Patents



Development Milestones

2015

Rated as a BNEF Tier 1
Module Supplier

2018

Annual shipments
exceeded 3GW, Ranking
Top 10 globally

2020

Global Capacity
Reached 10GW

2023

Ranked among Top 10
Most Bankable PV
Brands Worldwide by
BNEF

2024

Cumulative
Shipments
exceeded 55GW

2025

Merged with HYSOLAR,
Completion of Vertical
Integration

2001

Suntech Power Founded

2002

First 10MW production line
launched — Equivalent to China's total
production for the previous four years

2005

Listed on the New York
Stock Exchange

2006

Acquired Japan's largest PV
manufacturer, MSK; Total
capacity exceeded 300MW

2011

Annual Shipments exceeded
2.1GW, Ranking No.1 in Global
Module Shipments

SUNTECH



About HYSOLAR

HYSOLAR was established in 2002 as a comprehensive PV enterprise focused on renewable innovation and applications.

Listed on the Shanghai Stock Exchange in 2018 (Stock Code: 603185). **In 2025, it merged with Suntech**, forming a dual-brand synergy and accelerating global expansion and brand internationalization.

26.8 Billion CNY

Total Assets

170 GW

Cumulative Global Shipments
(by 2025)

TOP500

Global New Energy
Enterprises in 2025

TOP500

China's Manufacturing
Enterprises in 2023



Full Industrial Chain & PV-ESS Integration

100+ GW

Integrated PV
Production Capacity

Industrial Chain
Traceability

Stable Delivery

PV-ESS Synergy

Integrated Warranty for
Whole New Energy Solution

Polycrystalline
silicon

150
thousand tons
Silicon Metal

Polysilicon

100
thousand tons
11N High-Purity
Silicon

Wafer

55 GW
100% N-type,
leading in low carbon
footprint metrics

Cell

26 GW
PECVD+LECO tech
with an efficiency up
to **27.1%**

Module

26 GW
N-type Full Coverage

ESS

5 GWh
Intelligent ESS
Solutions

Strong financial health forms the foundation for HYSOLAR's sustainable growth and investor confidence. Amid industry cycle fluctuations, HYSOLAR has demonstrated strong resilience thanks to its full value chain cost control capabilities and diversified business structure.



53.88%

Debt Ratio

Significantly below the industry average (60–70%)



CNY **251** million

Operating Cash Flow

Positive cash flow and profitability turnaround achieved ahead of peers

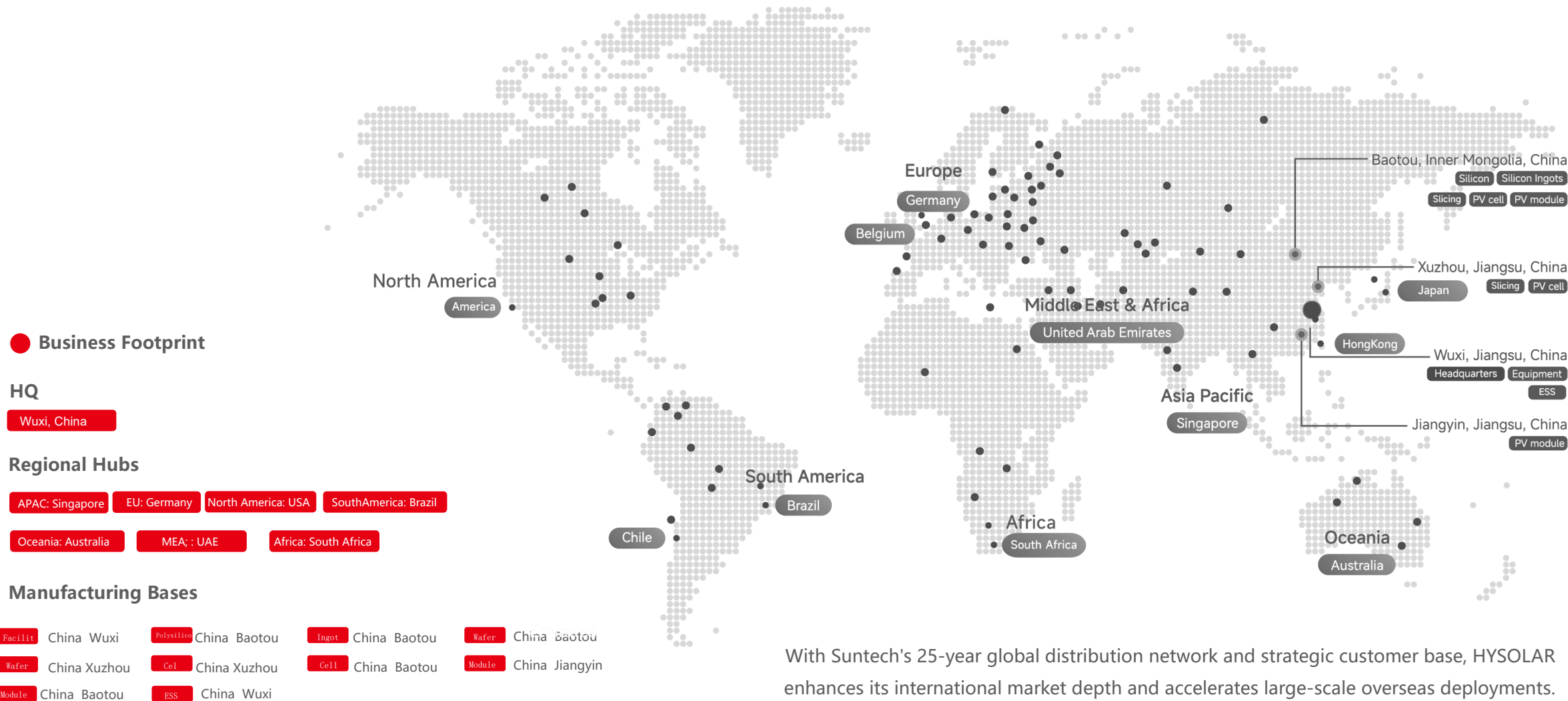


7.42 billion CNY

Revenue

Year-over-year growth of 1.69%

HYSOLAR & Suntech Global Presence



With Suntech's 25-year global distribution network and strategic customer base, HYSOLAR enhances its international market depth and accelerates large-scale overseas deployments.

Global Partnership

							
							
							
							
		<div><div>5000+</div><div>Partners Worldwide</div></div> <div><div>100+</div><div>Countries and Regions Covered</div></div>					
							
							
							
							
							

Suntech and HYSOLAR
A Strategic Merger for Integrated Growth in 2025

HYSOLAR



SUNTECH

Rooted in Strength, Growing Through Synergy.
Empowered Together, Advancing Further.

The image is a split-screen composition. The left half shows a solar farm in a desert with rows of solar panels receding into the distance under a pale, hazy sky. The right half shows a closer view of solar panels in a desert under a clear, vibrant blue sky with a few wispy clouds. The panels are dark and tilted at an angle.

02 Product Introduction

Sustainable Manufacturing Capabilities

Case Study 1:

Rooftop PV systems in Sinsheim, Germany

According to *pV magazine*, a study by the Polish Academy of Sciences on two rooftop PV systems in Sinsheim, Germany, which have been reliably operating for over 18 years.

Less than **3%** power output degradation after **16** years– Suntech modules' reliability is confirmed by the Polish Academy of Sciences.

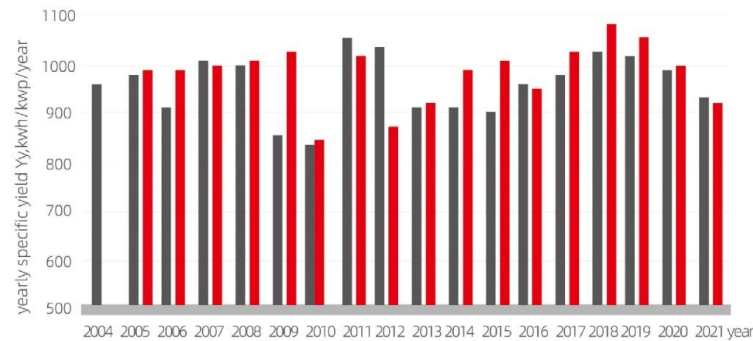


Illustration: Experimentally monitored annual specific energy yield (Yy) of rooftop PV systems from 2004 (2005) to 2021 for installations I-1 and I-2.

Case Study 2:

Bigiareza(2MW) Project

In the Bigiareza 2MW project in Greece, Suntech modules achieved an annual degradation rate of 0.43%, significantly below the guaranteed 0.70%.

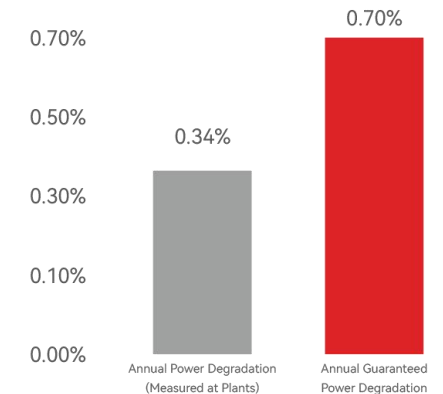
Power Degradation at Operating Plants

0.70%

Annual Guaranteed
Power Degradation

0.34%

Annual Power Degradation
(Measured at Plants)



Suntech modules deliver exceptional reliability, surpassing typical industry degradation rates and exceeding the global 25-year $\leq 20\%$ warranty standard. Designed for a 25-year lifecycle, our products are a testament to Suntech's enduring quality and the company's resilient journey through industry cycles truly **standing the test of time**.

Top PV Lab

LIMS-managed laboratories with CNAS accreditation

R&D and Testing

Investment ¥ 14,000,000 CNY

Digital-Intelligent Transformation

LIMS

Process Optimization

Big Data Analysis

AI

Authoritative Certification

TUV

French Carbon Footprint

IEC

CQC

Advanced Technology Reserves

TOPCon2.0

XBC

Perovskite

686 professionals
R&D team

376 million CNY
2025 R&D investment

426
Authorized international patents

Leading Innovative Technologies

To ensure product reliability under extreme conditions such as **heat, wind, snow,**
and salt corrosion, our CNAS-certified labs conduct strict tests, complemented by
world-renowned third-party verification.



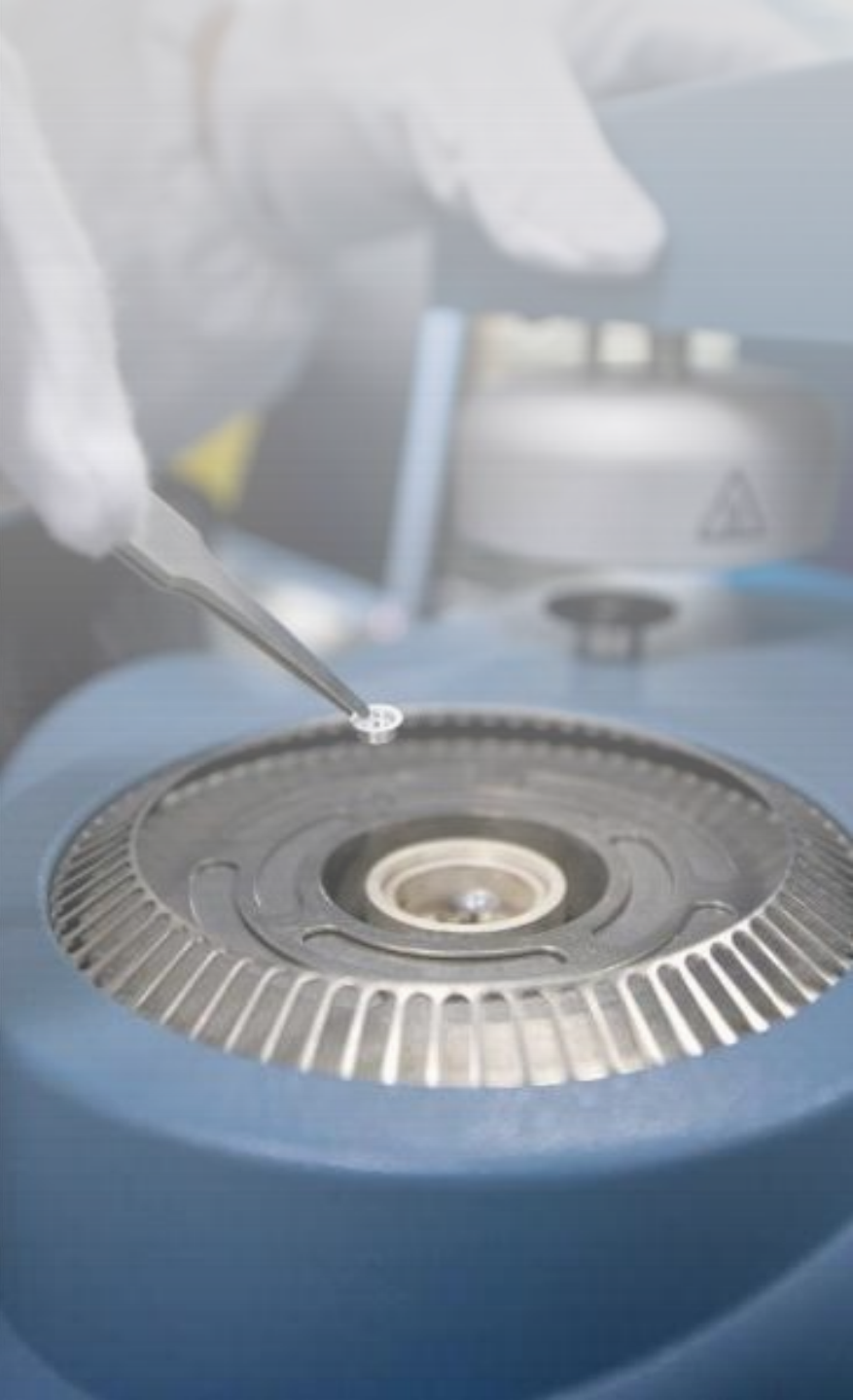
ISO 9001
Quality Management

ISO 14001
Environment Management

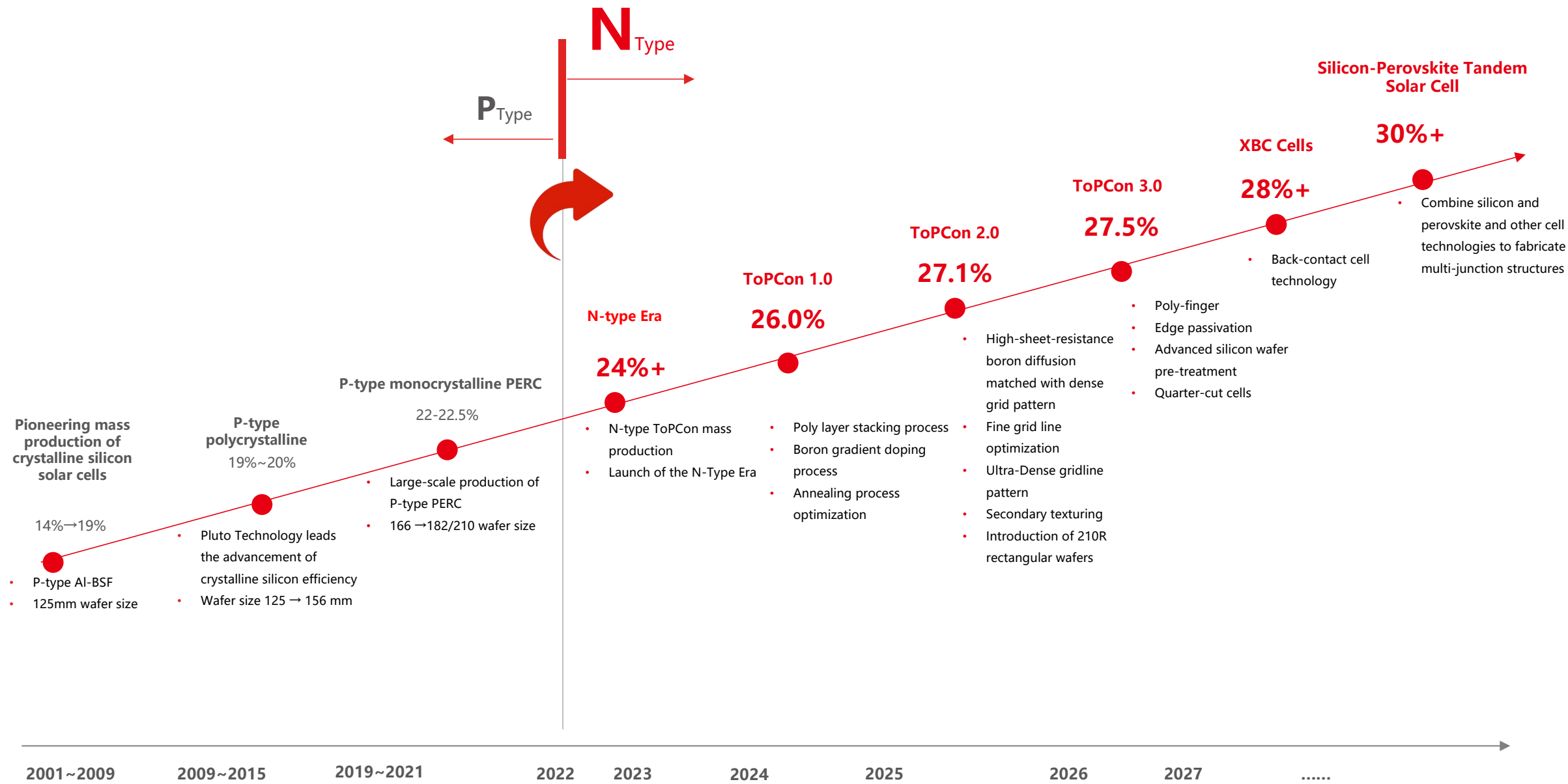
IEC/TS 62941
PV Module Manufacturing
Quality Management

ISO 45001
Occupational Health & Safety
Management

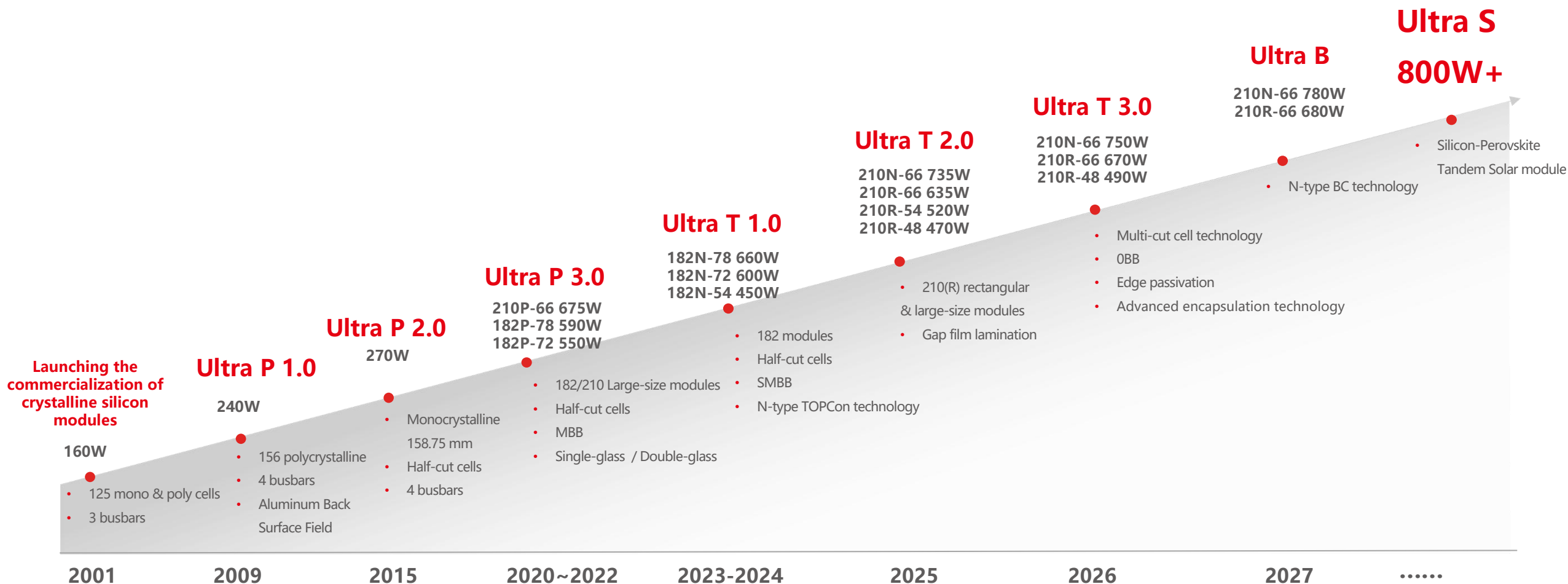
ISO 50001
Energy Management System



Cell Technology Roadmap



Module Technology Roadmap

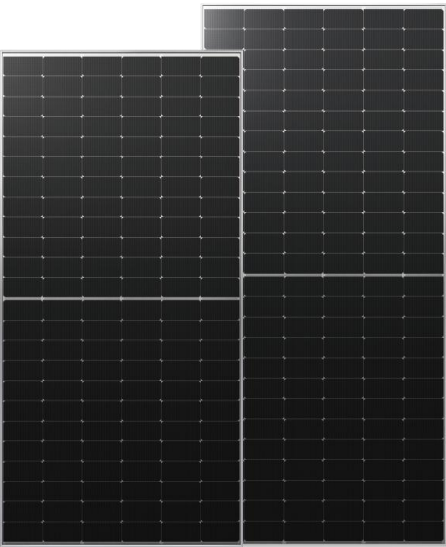


Recommended Product Series



Ultra T 1.0

N-Type 182 Series

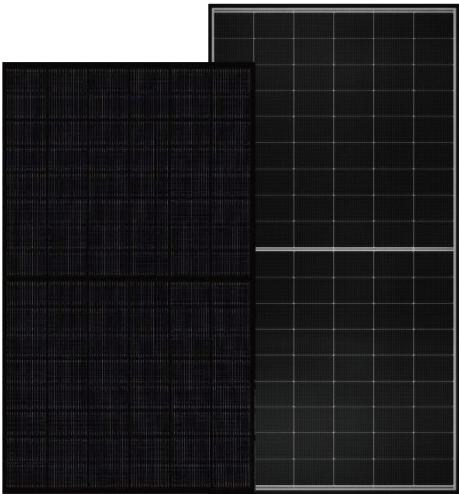


Size: 2278*1134mm	Size: 2465*1134mm
Power Output: 610W	Power Output: 660W
Max Efficiency: 23.6%	Max Efficiency: 23.6%

Ultra T 2.0

N-Type 210R Series

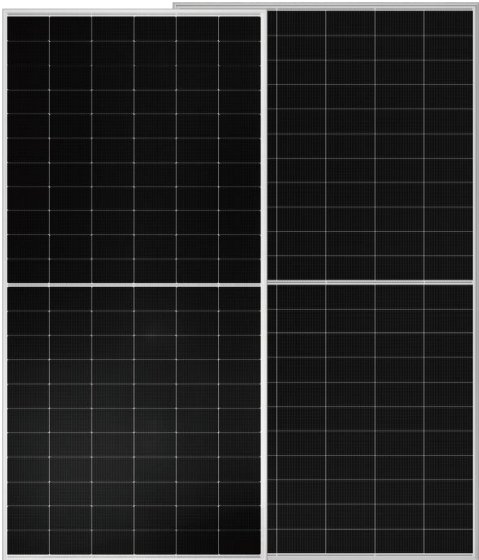
Distributed Projects



Size: 1762*1134mm	Size: 1961*1134mm
Power Output: 470W	Power Output: 520W
Max Efficiency: 23.5%	Max Efficiency: 23.4%

N-Type 210 Series

Commercial and Large-scale Projects

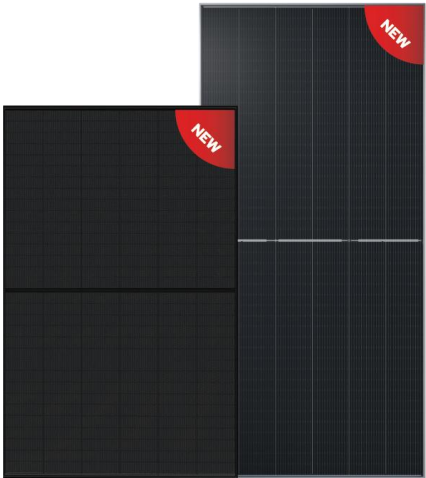


Size: 2382*1134mm	Size: 2384*1303mm
Power Output: 650W	Power Output: 735W
Max Efficiency: 24.1%	Max Efficiency: 23.7%

Ultra T 3.0

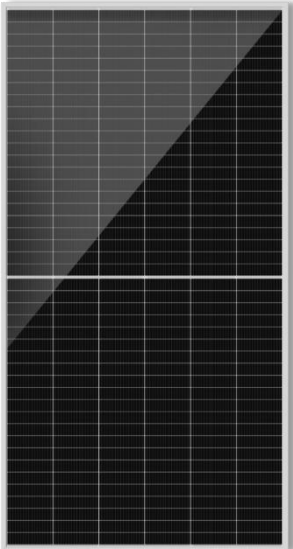
N-Type 210R Quarter-cut Series

Quarter-cell New Product



Size: 1762*1134mm	Size: 2382*1134mm
Power Output: 490W	Power Output: 670W
Max Efficiency: 24.5%	Max Efficiency: 24.8%

Ultra T 3.0 New Product



STP-NT11/66QGDF

650-670W

2382*1134*30mm

Bifacial Dual Glass

C&I / Utility



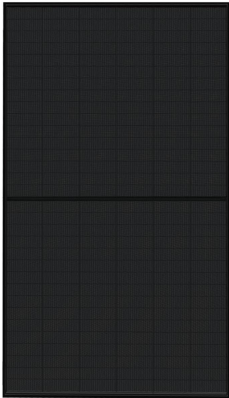
STP-NT11/48QGSF

470-490W

1762*1134*30mm

Single facial Dual glass

Residential
Distribution



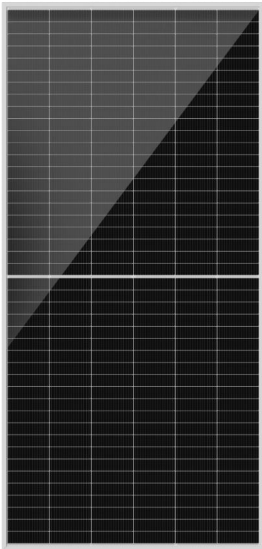
STP-NT11/48QGDF

470-490W

1762*1134*30mm

Transparent full black bifacial dual glass

Residential
Distribution



(Planned)
STP-NT12/66QGDF

740-760W

2384*1303*33mm

Bifacial Dual Glass

Utility

Ultra T 3.0 New Quarter-cut Modules

Power Output

Up to **670_w**

Power Temperature Coefficient

Optimized to **-0.26%**

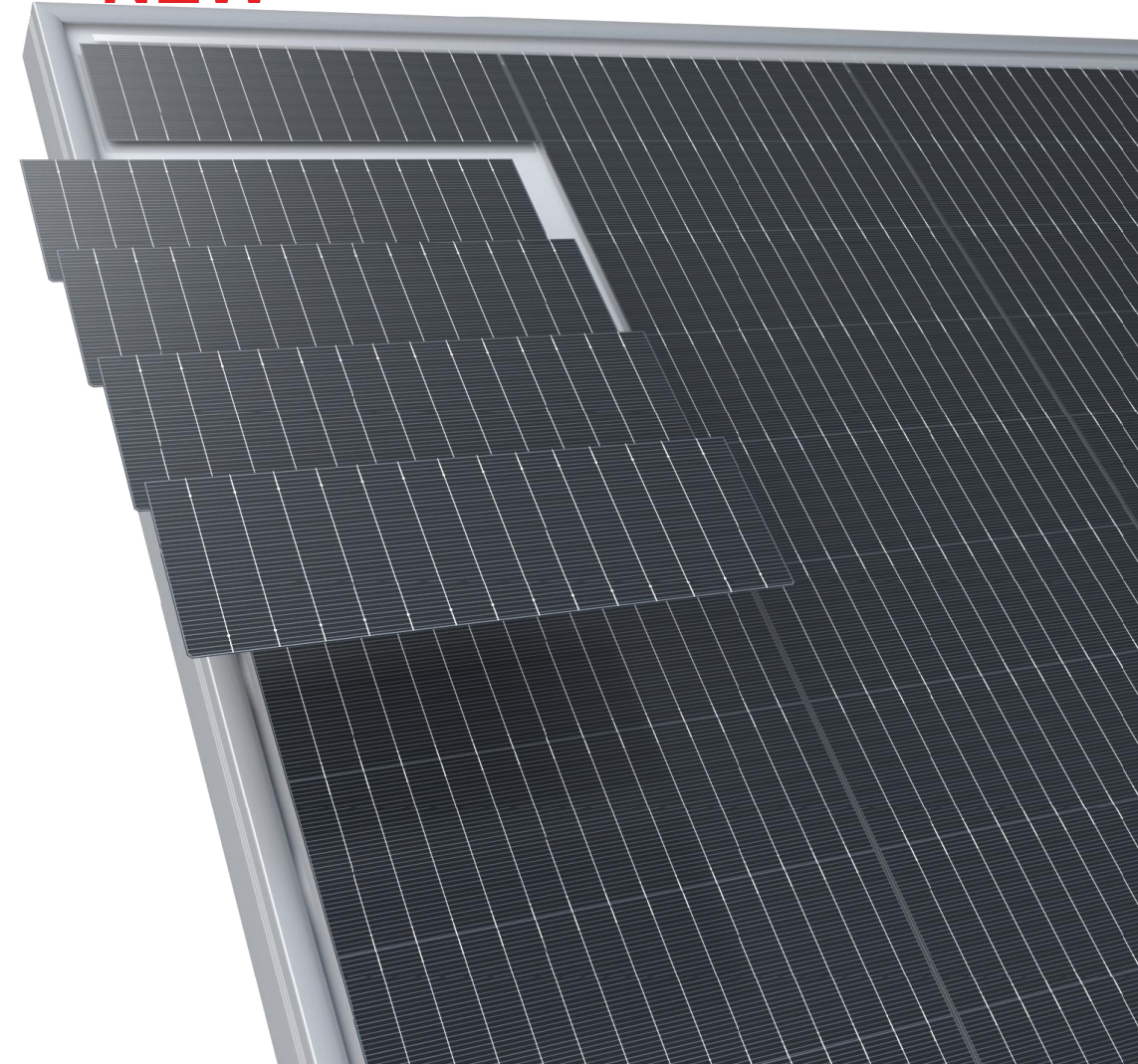
Bifacial Rate

Increased to **85_{±5%}**

Annual Degradation

Optimized to **-0.35%**

NEW



Metal contact optimization



Advanced encapsulation technology



Multi-Slicing+
Edge Passivation



Poly-Finger



Cell Process & BOM Material
Optimization



Strong Performance Under Low
Irradiance, Perfect Adaptation to
All Scenarios

Diversified Smart Energy Storage Products

Integrating solar and storage, enabling full value chain synergy, and delivering fully integrated solutions across diverse zero-carbon scenarios.





Engineered for Safety



**Optimized for Solar
and Storage Synergy**



Smart and Elegant Design

Residential Energy Storage Solutions

STE-10/20/30A-4/5/6/8/10/12HT-25

STE-20/30/40A-10/12/15/20HT-40

STE-5/10/15/20A-3/3.6/4.2/4.6/5/6HS-30

C & I Energy Storage Solutions

STE-2ML-1MP

STE-1ML-500P

STE-261L-125P

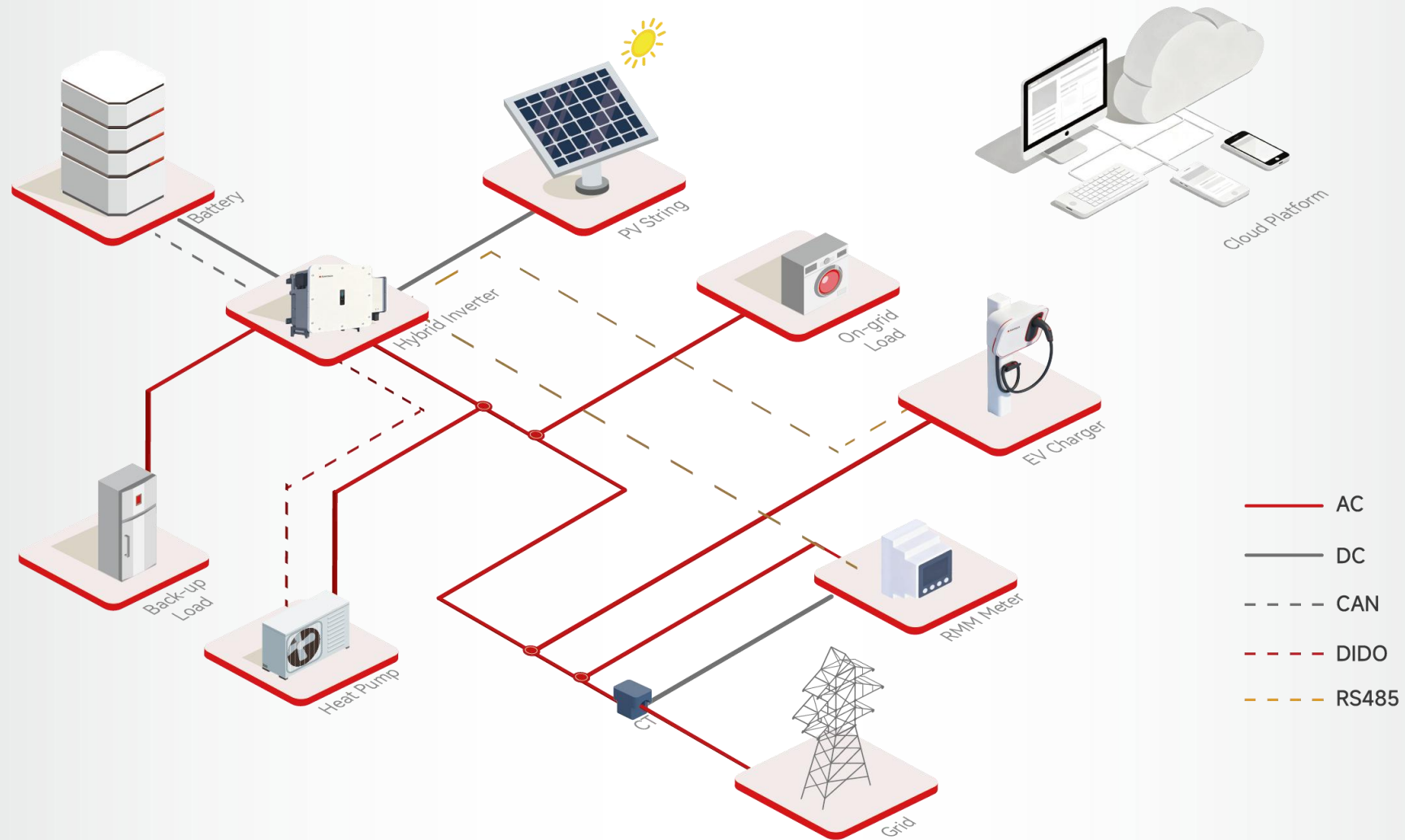
STE-261/522L-75/80/99/100/125HT-300

STE-64/80/96/112.5A-25/29.9/30/40/50HT-150

Smart PV-Storage-Charging Home

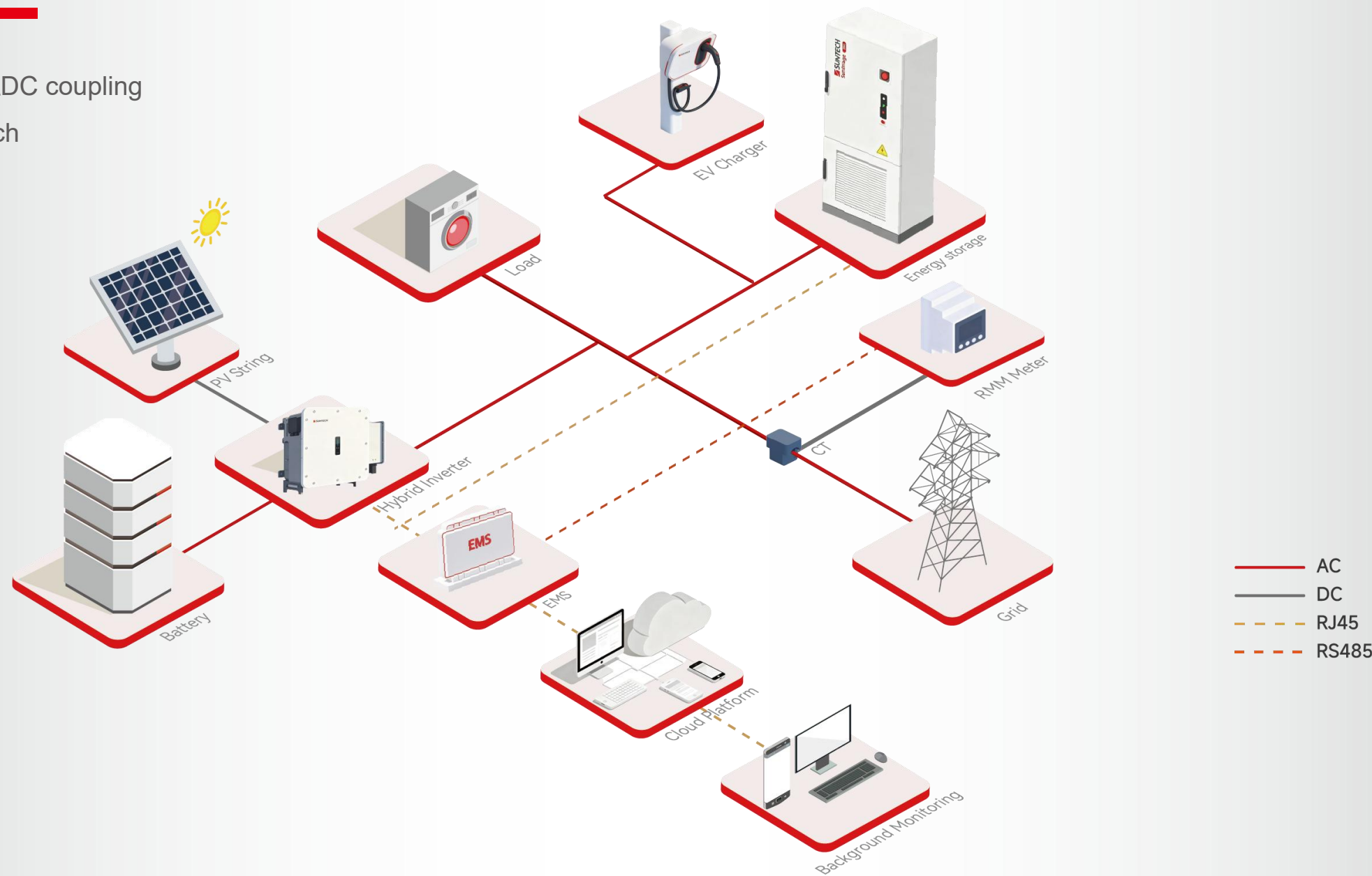
PV+Battery+Hybrid Inverter+EV Charger+EMS+Backup Power in one system

All by Suntech



Smart PV-Storage for C&I

AC coupling\DC coupling
All by Suntech





03 Project References

Project References



250 MW

Ningdong Hybrid PV Plant

Shunping Rural PV Plant



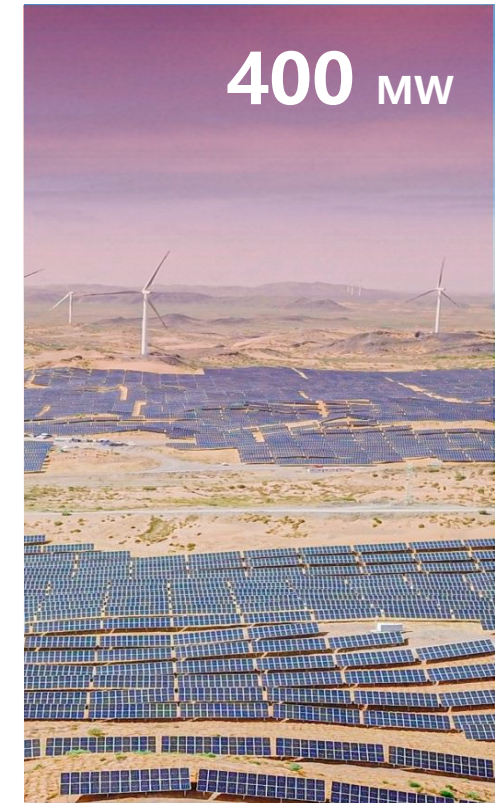
200 MW



200 MW
(Supplied 122 MW)

**Yellow River Hydro-PV-ESS
Demonstration Project**

Ningxia Utility PV Plant



400 MW

Project References



Al Dhafra PV2 Solar Plant

2.1 GW (Supplied 680 MW)

● Abu Dhabi, UAE



Shell Moerdijk Solar Park

27 MW

● Rotterdam, Netherlands



Kimberly Droogfontein PV Plant

250 MW

● South Africa



Setta PV Plant

1.5 MW

● Pernambuco, Brazil

Project References



210 MW
● Karnataka, India



Europe's Largest PV Plant

500 MW
(supplied 100MW)
● Extremadura, Spain



Suntech's First Kazakhstan Project

50 MW
● Karaganda, Kazakhstan



UK's First Bifacial Dual-Glass PV Plant

34.7 MW
● Yorkshire, UK

Project References



Finow PV Plant

24.24 MW

- Brandenburg, Germany



Masdar PV Plant

10 MW (supplied 5MW)

- Abu Dhabi, UAE



Enlight Kramim PV Plant

18 MW

- Israel



Kanzaki PV Plant

3.24 MW

- Kanzaki, Japan

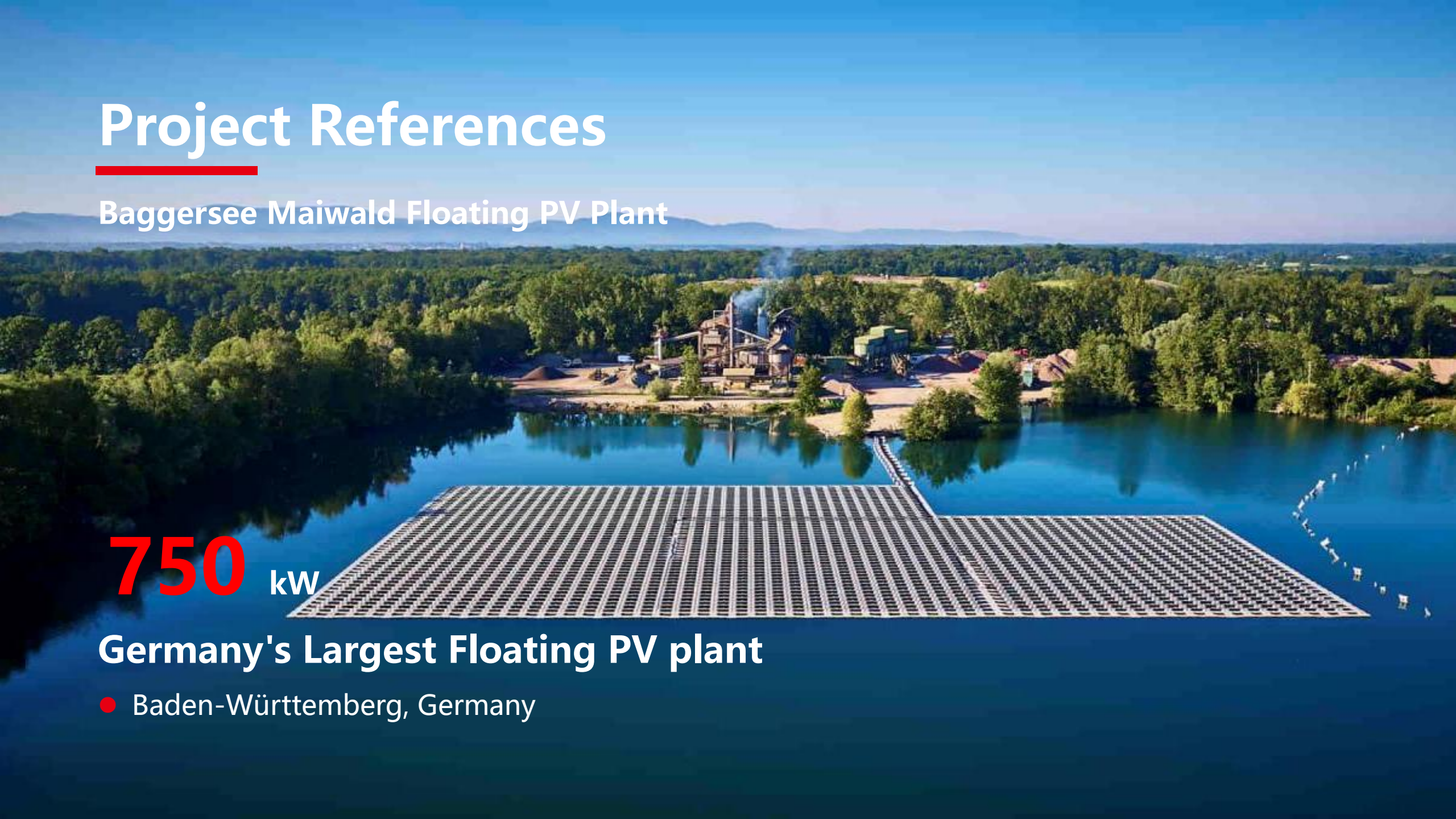
Project References

Baggersee Maiwald Floating PV Plant

750 kW

Germany's Largest Floating PV plant

- Baden-Württemberg, Germany



Project References



San Francisco International Airport T3
Rooftop PV Project

450 kW • California, USA



Genk City Hall Rooftop PV Project

239.4 kW • Genk, Belgium



IKEA MLFU Rooftop PV Project

383 kW • Sydney, Australia



Sydney Opera House Rooftop PV Project

384 kW • Sydney, Australia

Project References

BIPV



Shanghai Expo China
Pavilion BIPV Project

3.14 MW • Shanghai, China



Suntech HQ BIPV Project

1 MW • Wuxi, China



Beijing National
Stadium BIPV Project

130 KW • Beijing, China



Kanazawa Bus Station
BIPV Project

120 KW • Kanazawa, Japan



Tokyo Guanghua Primary
School BIPV Project

10 KW • Tokyo, Japan

Sustainability and ESG Commitment

Driven by the vision “Cleaner Energy, Better World” ,
HYSOLAR has released ESG sustainability reports for four consecutive years.



Friendly Environment

Environmental investment (2025)

CNY **44.19** million

ISO 14001 certification of manufacturing bases

100%

Full industrial chain products achieved

France ECS Carbon Footprint certification

HYSOLAR

Zero-carbon factory certification

HYSOLAR New Material

National Green Supply Chain Management Enterprise

Shared Values

Social donations

CNY **20** million+

Volunteer service

500+ hours annually



THANKS