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Wechat



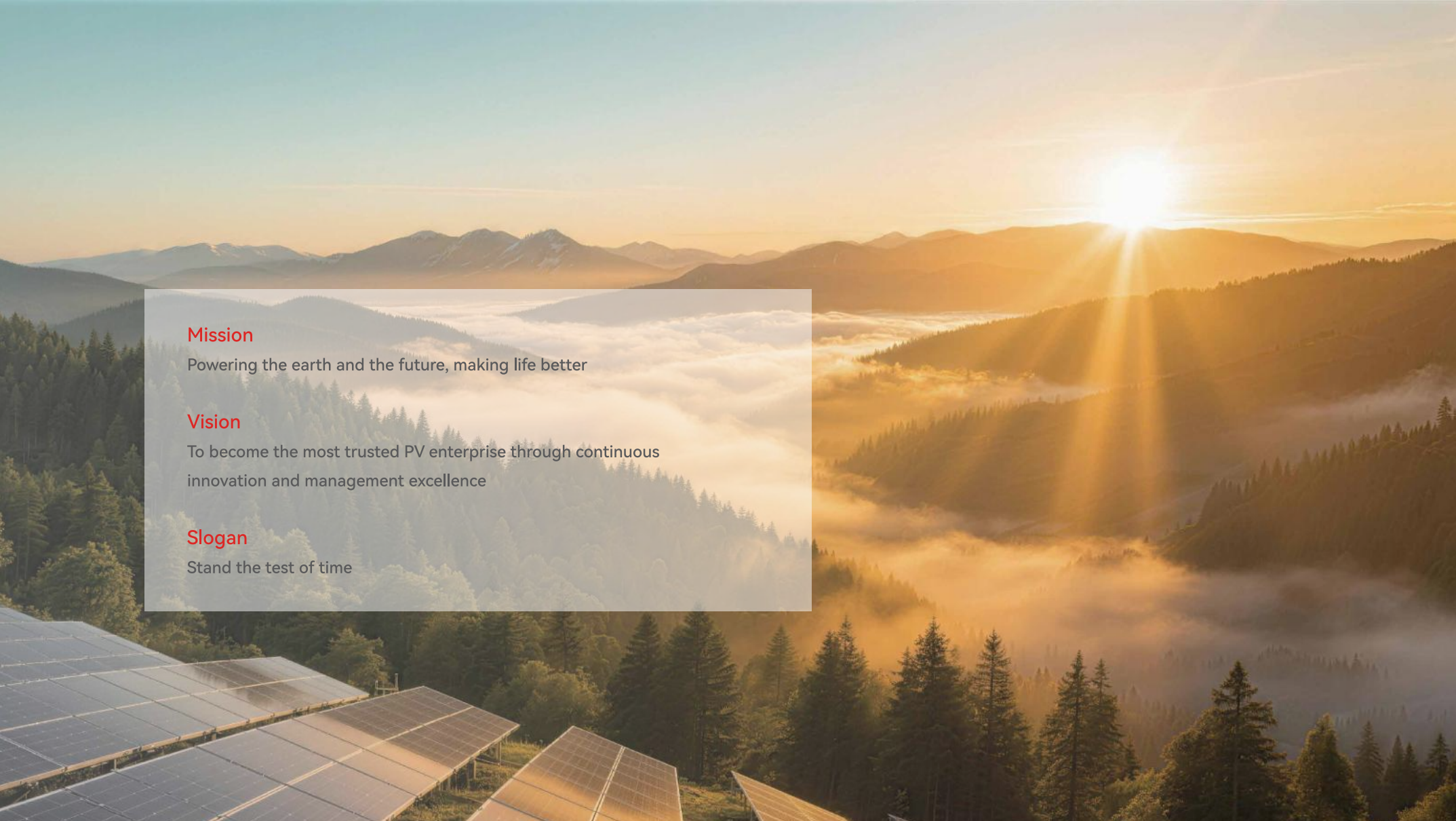
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SUNTECH Brochure
Stand the Test of Time



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Mission

Powering the earth and the future, making life better

Vision

To become the most trusted PV enterprise through continuous innovation and management excellence

Slogan

Stand the test of time

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About SUNTECH

Founded in 2001, Suntech Power 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.



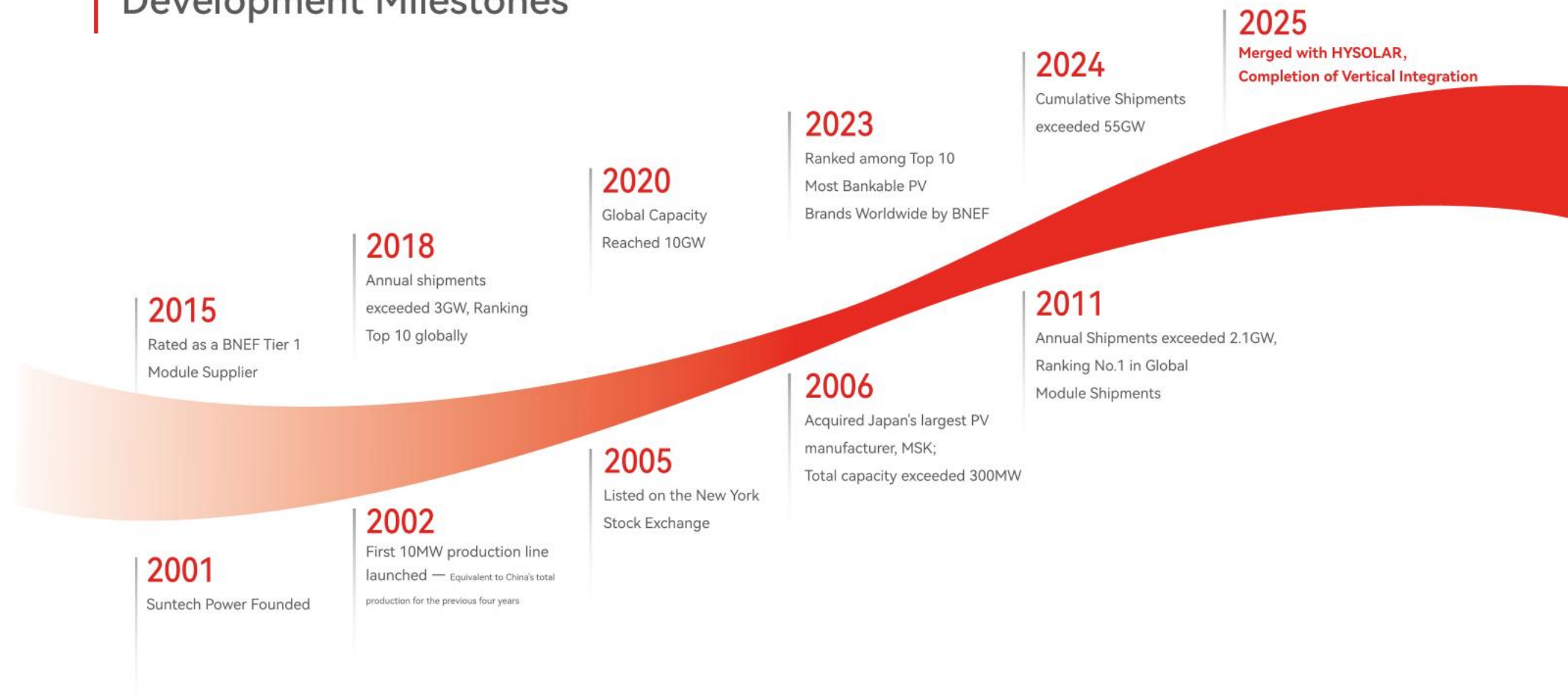
 **25 yrs**
Of Manufacturing Experience

 **100+**
Countries and Regions Covered

 **5000+**
Global Partners

 **600+**
Authorized Patents

Development Milestones



About Group



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)

TOP 500
Global New Energy Enterprises
2025

TOP 500
China Manufacturing Enterprises
2023

Full Industrial Chain & PV-ESS Integration

Metallurgical-Grade Silion



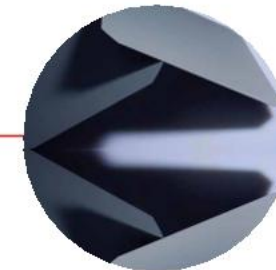
150 thousand tons
Metallurgical-Grade Silion

Polycrystalline Silicon



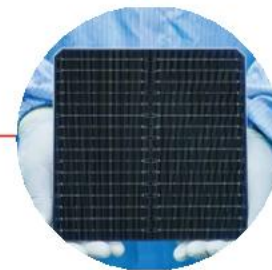
100 thousand tons
11N High-Purity Silicon

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

100+ GW
Integrated PV
Production Capacity

Industrial Chain
Traceability

Stable Delivery

PV-ESS Synergy

Integrated Warranty for
Whole New Energy Solution

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

Countries and Regions Covered **100+**

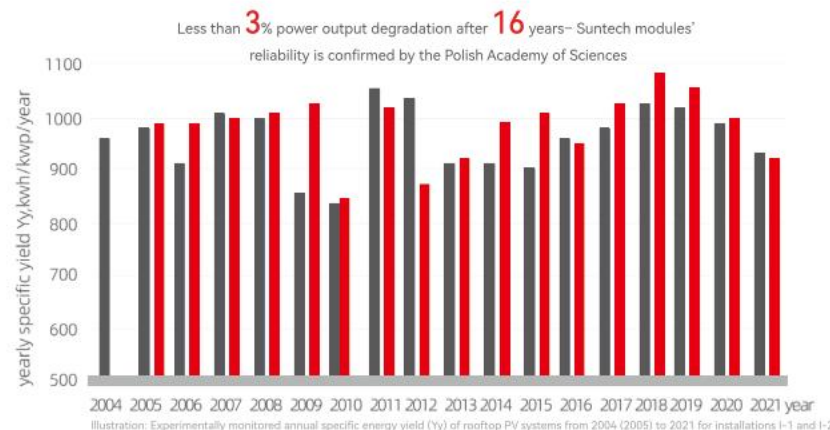
5000+ Partners Worldwide

			5000+ Partners Worldwide					

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.



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.**

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



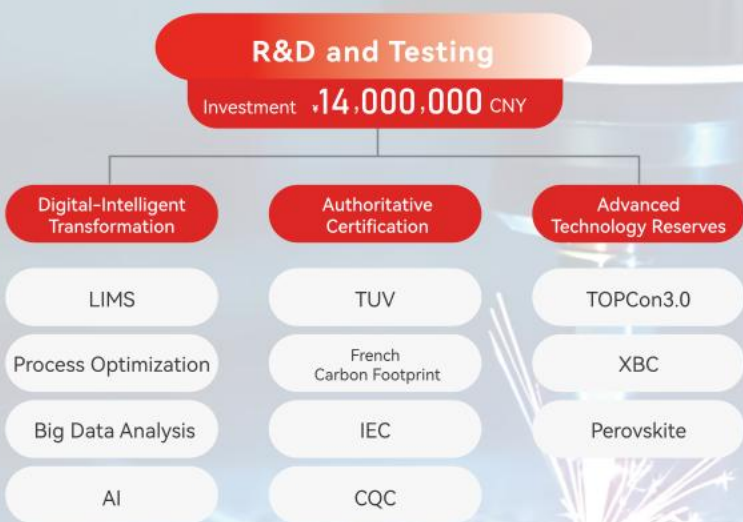
Top PV Lab

LIMS-managed laboratories with CNAS accreditation

686 R&D team professionals

3.76 million CNY 2025 R&D investment

426 Cumulative 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.



CNAS

ISO 9001 Quality Management System

ISO 14001 Environmental Management System

IEC/TS 62941 PV Manufacturing Quality System

ISO 45001 Occupational Health & Safety System

ISO 50001 Energy Management System

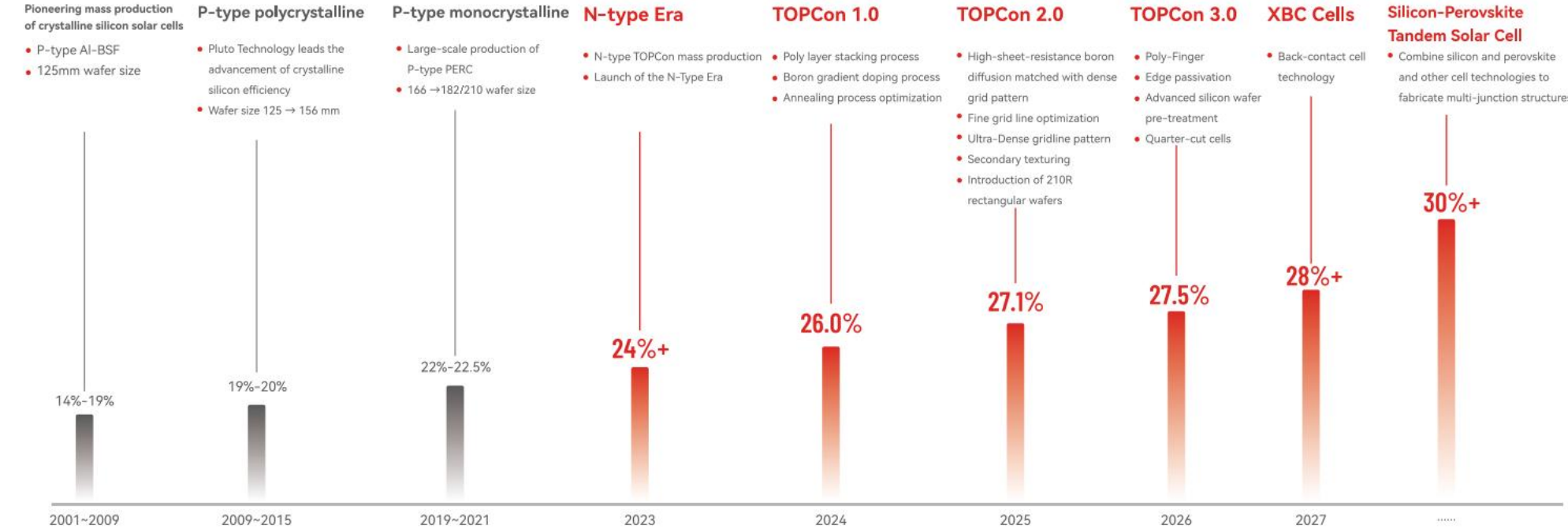
25 Years of Craftsmanship

25 years of manufacturing excellence, generational leap to N-type TOPCon targeting 800W.
High reliability, adaptability, and returns for 100+ countries.



Pioneering New Frontiers

Suntech has built a full-chain technology matrix integrating short, medium-and long-term synergies, focusing on the mainstream TOPCon track, refining advanced BC processes, and strategically advancing into the forefront of perovskite tandem technology. Tempered by time, with innovation pushing the boundaries, this iterative loop—linking mass production, cutting-edge R&D, and future reserves—injects sustained momentum into the global transition to zero-carbon energy.



Core Product Series



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%**

 Metal contact optimization

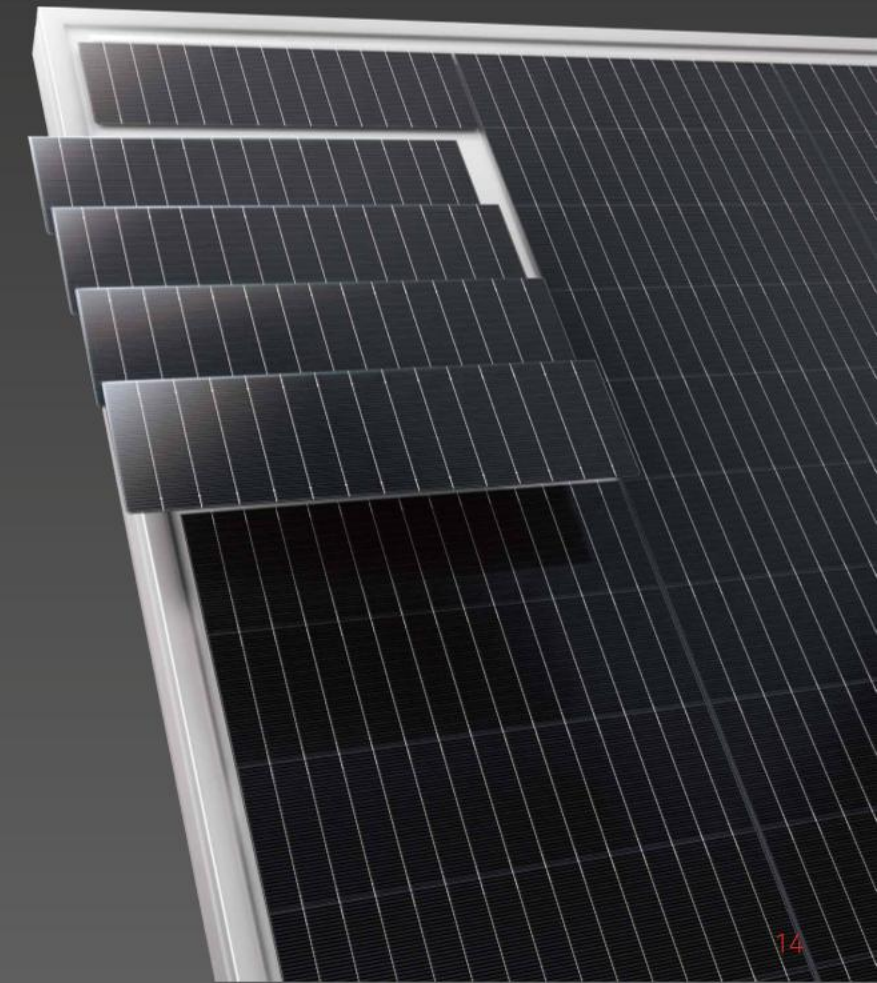
 Advanced Encapsulation Technology

 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

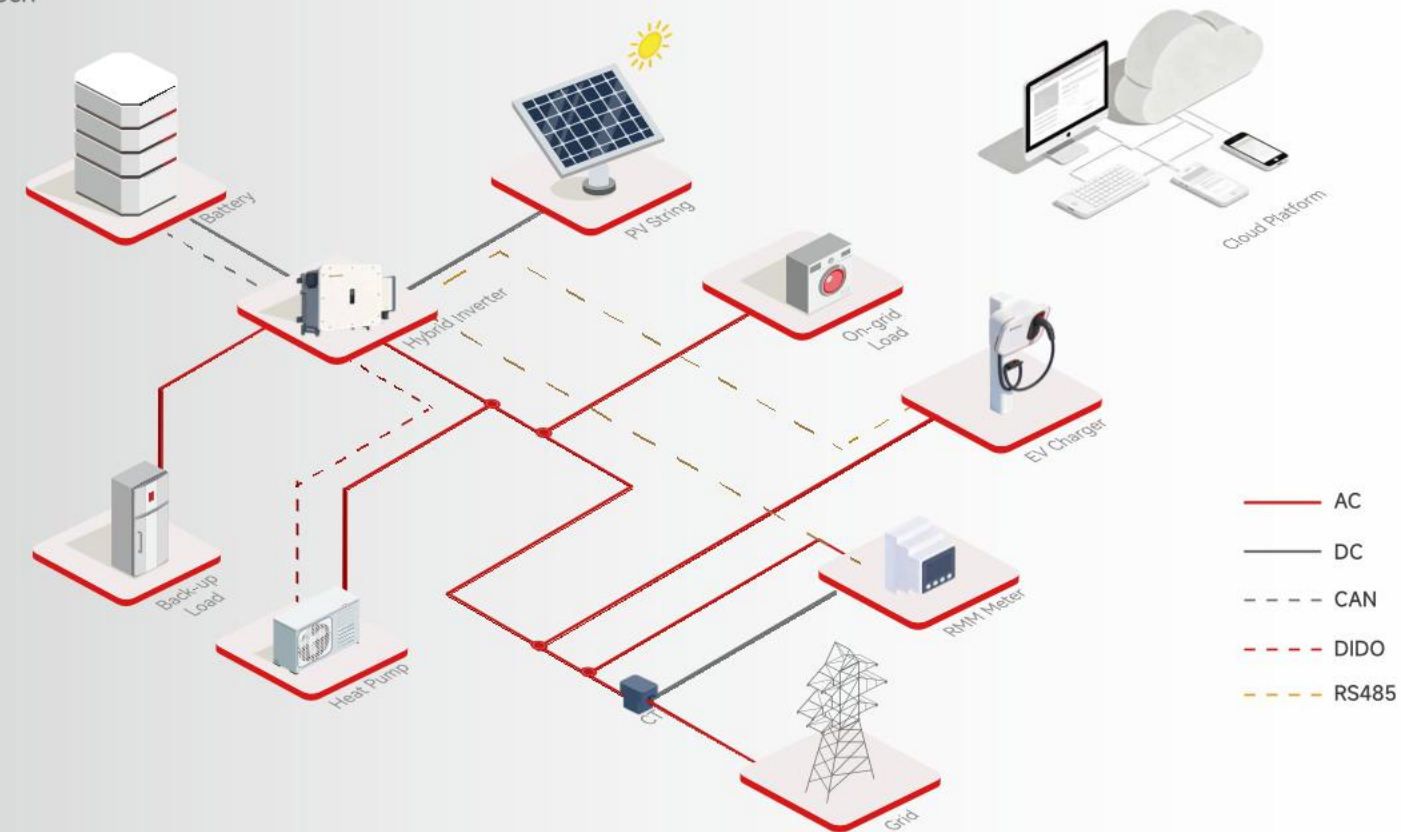
STE-261L-125P

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

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

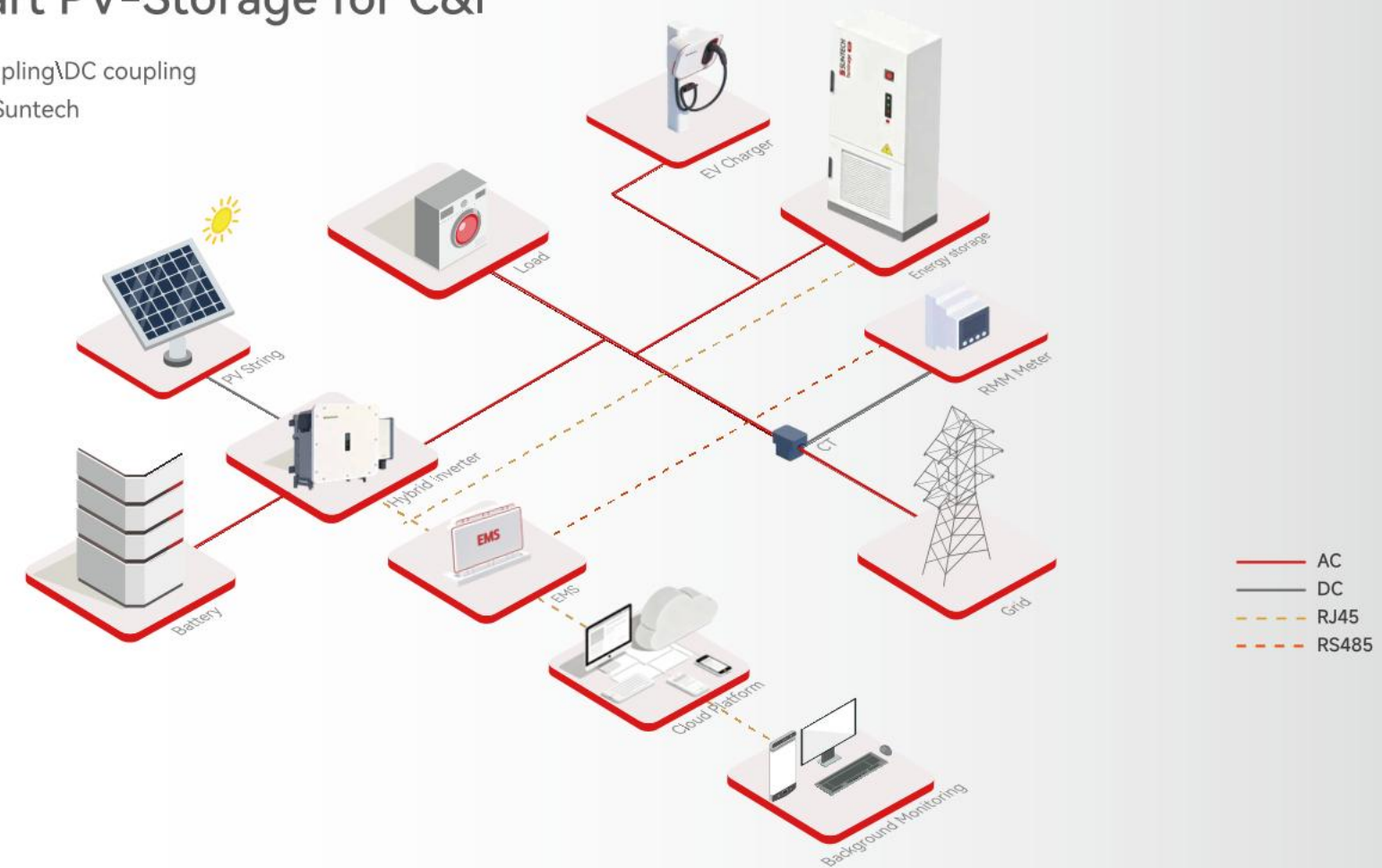
Smart PV-Storage-Charging Home

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



Project References



250MW Ningdong Hybrid PV Plant
Ningxia · China
Utility



400MW Ningxia Utility PV Plant
Ningxia · China
Utility



1.5MW Setta PV Plant
Pernambuco, Brazil
Utility



210MW Utility
Karnataka · India



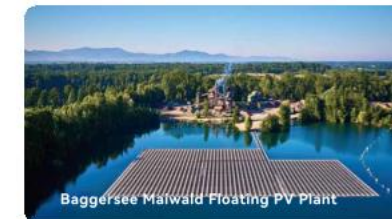
50MW Suntech's First Kazakhstan Project
Karaganda · Kazakhstan
Utility



24.24MW Finow PV Plant
Brandenburg · Germany
Utility



10MW (supplied 5MW)
Masdar PV Plant
Abu Dhabi · UAE
Utility



750KW Germany's Largest Floating PV Plant
Baden-Württemberg · Germany
Floating



2.1GW (Supplied 680MW)
Al Dhafra PV2 Solar Plant
Abu Dhabi · UAE
Utility



250MW Kimberly Droogfontein PV Plant
South Africa
Utility



27MW Shell Moerdijk Solar Park
Rotterdam · Netherlands
Utility



500MW (supplied 100MW)
Europe's Largest PV Plant
Extremadura · Spain
Utility



34.7MW UK's First Bifacial Dual-Glass PV Plant
Yorkshire · UK
Utility



18MW Enlight Kramim PV Plant
Israel
Utility



3.24MW Kanzaki PV Plant
Kanzaki · Japan
Utility



3.14MW Shanghai Expo China Pavilion BIPV Project
Shanghai · China
BIPV

Project References



450KW | San Francisco International Airport T3 Rooftop PV Project
California · USA | Commercial and Industrial Rooftop



239.4KW | Genk City Hall Rooftop PV Project
Genk · Belgium | Commercial and Industrial Rooftop



1MW | Suntech HQ BIPV Project
Wuxi · China | BIPV



120KW | Kanazawa Bus Station BIPV Project
Kanazawa · Japan | BIPV



383KW | IKEA MLFU Rooftop PV Project
Sydney · Australia | Commercial and Industrial Rooftop



384KW | Sydney Theatre Co Rooftop PV Project
Sydney · Australia | Commercial and Industrial Rooftop



130KW | Beijing National Stadium BIPV Project
Beijing · China | BIPV



10KW | Tokyo Guanghua Primary School BIPV Project
Tokyo · Japan | BIPV



Stand the Test of Time