

Stand the Test of Time



Official website



2024  
Brochure

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# Global Leading PV Manufacturer

Suntech, founded in 2001, as a famous Photovoltaic manufacturer in the world, is devoted to the R&D and the production of crystalline silicon solar cells and modules for 23 years. The Company has its sales areas spread all over more than 100 countries and regions in the world, more than 1,500 industry-leading partners worldwide and the cumulative historical shipments exceeded 50 GW.

We aim to become the most trusted PV company through continuous innovation and excellent management.



# Stand the Test of Time

## 23 Years

Experience in manufacturing PV modules

Suntech has been devoted to the R&D and the production of crystalline silicon solar cells and modules for 23 years since 2001

## 50 GW+

Global cumulative shipments of PV products

By the end of 2023, Suntech has supplied more than 50 GW of solar modules to global customers.

## 100+ Countries

Worldwide business footprints

Suntech has its sales covered more than 100 countries and regions worldwide.

## 1500+

Global leading partners

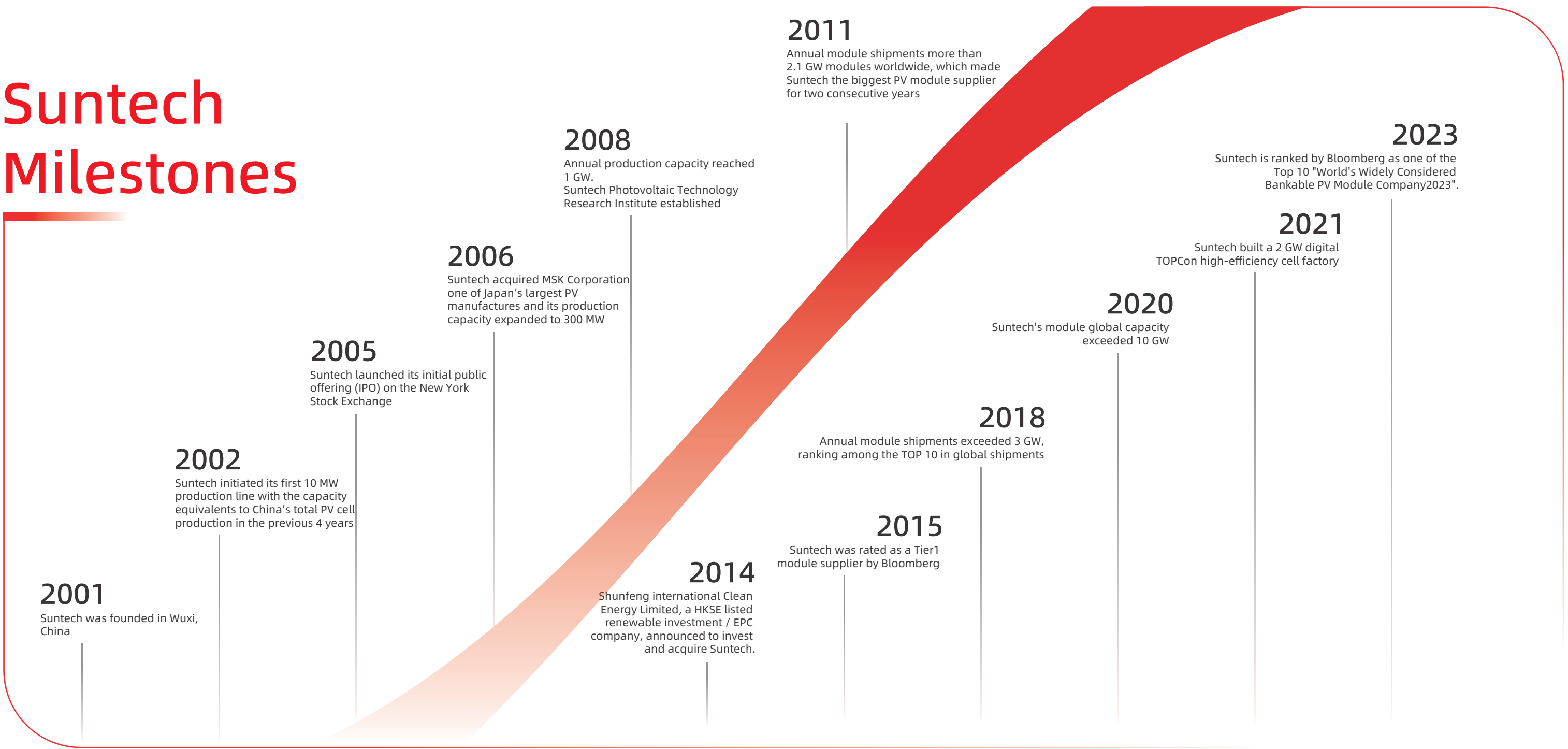
Suntech has more than 1,500 industry-leading partners worldwide since 2001.




## 600+

Authorized patents

Suntech has accumulated more than 600 authorized patents and 900 patents applications with continuously investment in the R&D of new technologies.

# Suntech Milestones



-  Manufacturer bases
-  Branches
-  Bussiness footprints

# Global

Suntech's business footprints cover more than 100 countries and regions around the world, with more than 1500 industry-leading partners.



Suntech Wuxi base



Suntech Changzhou base



Suntech Chuzhou base



Suntech Suzhou base



# Leading Innovation

Suntech values technological innovation and keeps investing in research and development (R&D). Until now, Suntech has applied for more than 900 patents and owns more than 600 authorized patents.

Suntech owns a **National Level Testing Center** for photovoltaic products certified by CNAS, and is equipped with more than 100 advanced testing machines, which is leading in photovoltaic industry.

## EUPD Top photovoltaic brand



## Awards

- Suntech won the Gold Award of “Taihu Lake Green Excellence Award” (2023) and was named to the “Color Factory of the Year” list (2023)
- Suntech won the “Annual Cultivation Object of Jiangsu Province Two-chemical Integration Management System Through Standard Pilot Enterprise” (2023) and “iangsu Province Industrial Internet Development Demonstration Enterprise” (2023)
- Suntech won the title of PVEL's global “TOP Performer” module manufacturer (2022)
- Suntech has achieved the honorary title of “Europe Top Photovoltaic Brand” issued by the authoritative institution EUPD Research (2016~2023)
- Suntech won the Sullivan Asia Pacific Best Practice Award (2016)
- Suntech was rated as the world's best environmentally friendly company by the World Economic Forum (WEF) (2016)
- Suntech has been continuously selected as one of the world's 50 most innovative companies by “MIT Technology Review” (2011~2012)
- Suntech receives Global Leadership Award from Murphy & Spitz and Gigaton Prize (2011)

## From manufacturing to intelligent manufacturing



### Automatic Manufacturing

Suntech launched 20 GW+ digitized smart factory for high - efficiency modules. The advanced automatic production line opened a new era for capacity, Suntech module factory can work for various advanced technology production requirements, and achieve the transition from manufacturing to intelligent manufacturing.

### Real-time Interaction Systems

Suntech's SAP and ERP business platforms can achieve real-time interaction, planning, execution, reporting and analysis, which make them the most advanced business platforms and enable sustainable innovation.

### Digital Smart Factory

2GW digital TOPCon intelligent production line for M10 cells (182mm) as well as for M12 cells (210mm). The conversion efficiency of TOPCon cells is over 26.5%.

# Suntech Products

## Ultra V series

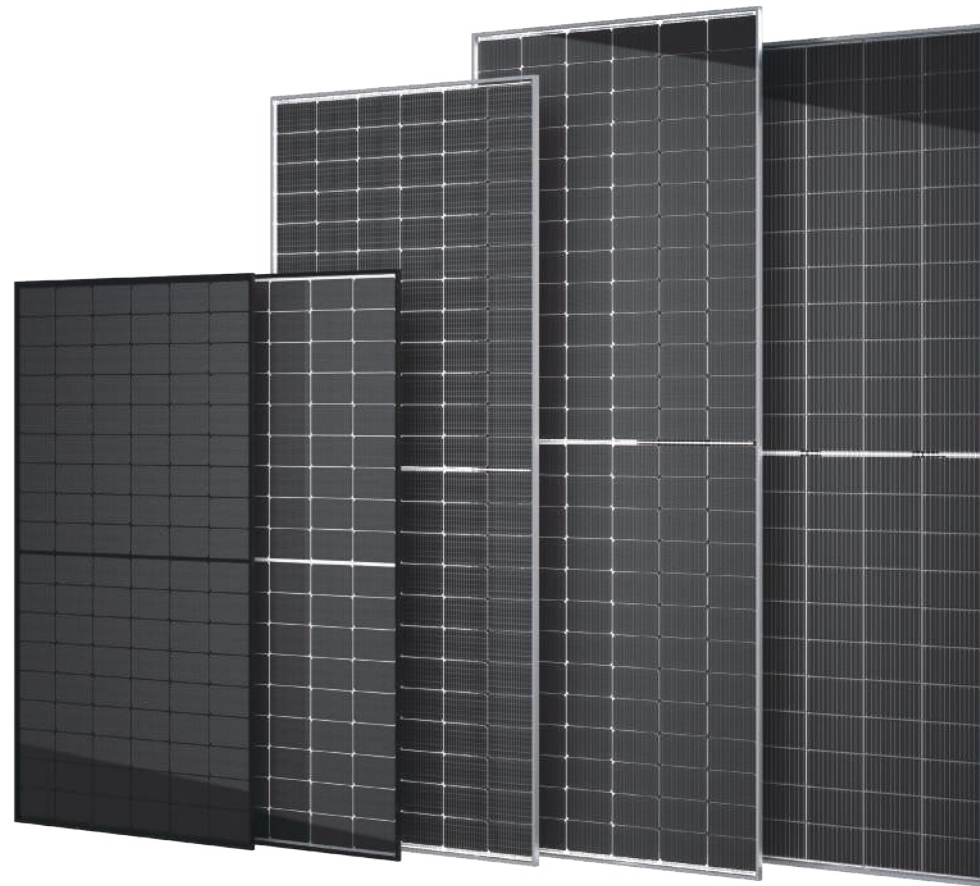
Hardcore energy and reliable technology  
182 mm P-type mono PERC

## Ultra V Pro series

Cutting-edge technology, leading innovation  
182 mm N-type mono TOPCon

## Ultra X series

Superb output and performance  
210 mm P-type mono PERC



## Application coverage for all scenarios

Utility-Scale Solar Power Plant:

Helping the world achieve carbon peaking and carbon neutrality goals

Commercial & Industrial Distribution:

Helping industrial and commercial enterprises to save energy & reduce consumption, and a green-oriented transition of energy

Residential Distribution:

Providing stable green electricity and increase residents' income



Lower Heat  
Spot Risk



High Efficiency



Zero LID



Distributed  
Junction Box



Lowest Temperature  
Coefficient



Bifacial Gain



# Suntech Trustworthy Quality

## Guaranteed Quality:

- 52 steps quality control and inspection process, 3\* 100 EL Test;
- 12-year product warranty, 25-year performance warranty (30-year for double glass products)

## Rigorous Control:

- Advanced MES system, adequate SPC and AI
- FQC 100% appearance inspection, OBA appearance spot inspection, OQC delivery inspection

## Management System:

- Certification of ISO9001 Quality System, ISO14001 Environmental Management System, ISO45001 Occupational health and Safety Management System, SA8000 Social Responsibility Standards, IEC TS 62941 Standard System

# Excellent Reliability

Suntech is fully certified by professional third party testing organizations.

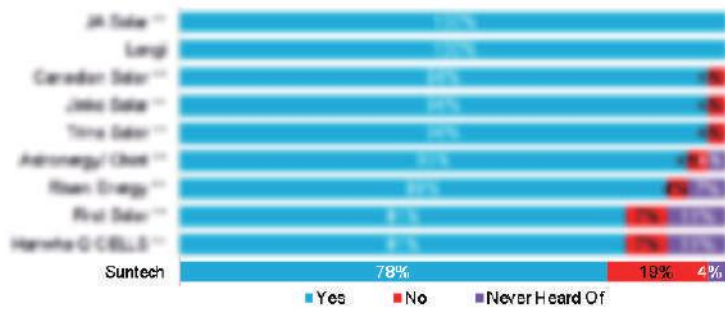


Suntech is ranked as Top Performer for a 5<sup>th</sup> year in the 2022 PV Module Reliability Scorecard, published by PVEL.



# Solid Financial Strength

Figure 1: Top 10 PV module companies that most respondents considered bankable in BNEF's 2023 bankability survey results



Source: BloombergNEF. Note: \*\* indicates top performers in PV Evolution Labs (PVEL) 2023 PV Scorecard, a technical adviser and module testing laboratory.

# Superior Bankability

- Suntech ranks Tier 1 by Bloomberg.
- Suntech has been ranked one of the world's most bankable PV module brands according to the Bloomberg New Energy Finance (BNEF) "PV Module Bankability Report" .
- Suntech is a module manufacturer with "Black&Veatch" proof of bankability.
- Munich Re provides reinsurance support for Suntech products.

Munich RE

招商银行  
CHINA MERCHANTS BANK

中国农业银行  
AGRICULTURAL BANK OF CHINA

Bloomberg

Deutsche Bank

SCB  
ไทยพาณิชย์

Santander

交通银行  
BANK OF COMMUNICATIONS

COMMERZBANK

太平洋保险  
CPIC

中国银行  
BANK OF CHINA

MIZUHO

SINO SURE

华夏银行  
HUAXIA BANK

宁波银行  
BANK OF NINGBO

中国建设银行  
China Construction Bank

PICC  
中国人保财险

LLOYD'S

BLACK & VEATCH

SOLAR  
SOLAR & POWER



# Projects

Solar power  
plants projects



Duurkenakker Solar Power Plant

Netherlands

64 MW

Nuñez de Balboa Solar Power Plant

Spain

500 MW





# Finow Solar Power Plant Project

Germany

24.24 MW



# Suntech Baggersee Maiwald Floating Power Plant Project

Germany

750 KW





## Masdar Solar Power Plant Project

UAE

10 MW

## UAE Al Dhafra PV2 Solar Power Plant Project

UAE

2100 MW





# Tamil Nadu Power Plant Project

India  
222.5 MW



# Enlight Kramim Solar Power Plant Project

Israel  
18 MW





CDB New Energy Collected Ningxia Weigang,  
Yongning and Hongsibao Project in 2020

China  
400 MW



Agadyr Power Plant Project

Kazakhstan  
50 MW



Setta PV Power Station Project

Brazil  
1.5 MW



250  
MW

South Africa

## Power Plant Project Kimberly Droogfontein



3.24  
MW

Japan

## Power Plant Project Kanzaki Solar



34.7  
MW

Britain

## York Power Plant Project





Yellow River Hydropower Daqing Base  
National Photovoltaic and Energy Storage Demonstration  
Experimental Platform Project

China

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200 MW



Shunpinganyang Township,  
Baoding City, Jiangsu Province  
Affordable Photovoltaic Power Generation Project

China

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200 MW



# Projects

Distributed projects



Beijing Bird's Nest Stadium BIPV Project

China

130 KW



Shanghai Expo BIPV Project

China

3.14  
MW



# IKEA Rooftop Project

Australia

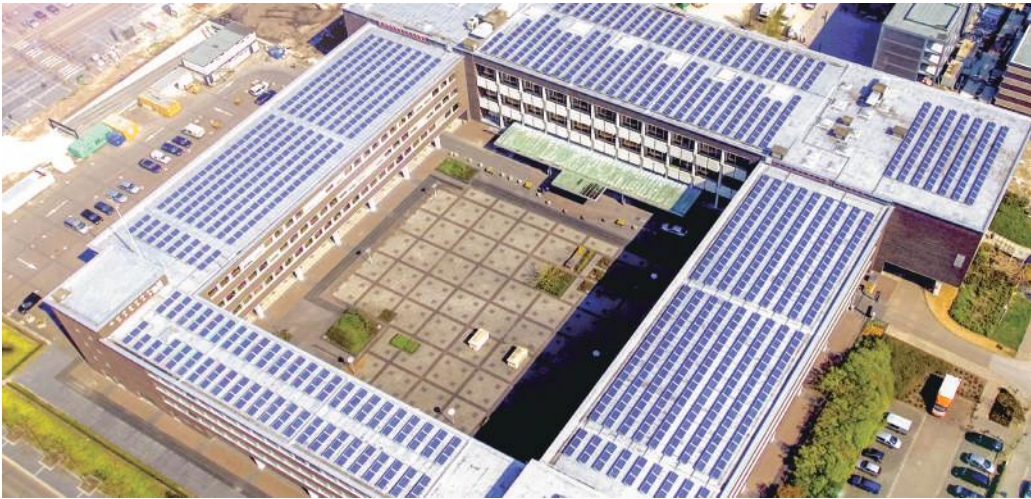
383 KW



# Genk Municipal Rooftop Project

Belgium

239.4 KW



# House Rooftop Project Sydney Opera

Australia

384 KW



# Airport Terminal 3 Rooftop Project San Francisco International

America

450 KW







HQ Buliding BIPV Project  
Suntech Green Energy

China

1 MW



Kanazawa Bus Station  
BIPV Project

Japan

120  
KW



BIPV Project  
Kowa Elementary School

Japan

10  
KW