

Company Introduction

14.03.2024

Vision & Mission





Vision

- Our vision is to become a dedicated market player in distributed PV plants by building Sunova Solar into a leading one-stop technical solutions provider globally.
- We are committed to fair and socially responsible working standards and are working towards carbon neutrality as we aim to becoming the world's leading green energy supplier in the PV business.

Mission

We aim to become the most user-centric energy enterprise.

About SUNOVA SOLAR

www.sunova-solar.com



5.5GW 4.5GW 4.3GW 9GW 10+ 20+ 100+

Global Module Capacity Under Construction Global Accumulative Shipment Cell Capacity

Global Sales & Service Offices

Shipping Countries

Global Partners

Milestone









Sunova Group AUS PTY LTD





Brazilian branch





Signing contracts with insurance companies



Vietnam factory



Signing contracts with Munich RE



YIBIN Cell Factory

2016

2017

1.

2018

2019

2021

Production capacity

expanded to 1 GW.

- The annual cumulative shipment reached to 2
 GW.
- Sign with PINGAN, Ariel-Re and LLYOD'

2022

- Produced TOPCON modules and expanded to 2.5 GW capacity..
- Expanding 1.5 GW production capacity in Vietnam factory.

2023

- Became BNEF Tier 1 player
- Building warehouses in Rotterdam / Itaja / Milan.
- Signed performance guarantee insurance with Munich RE.

2024

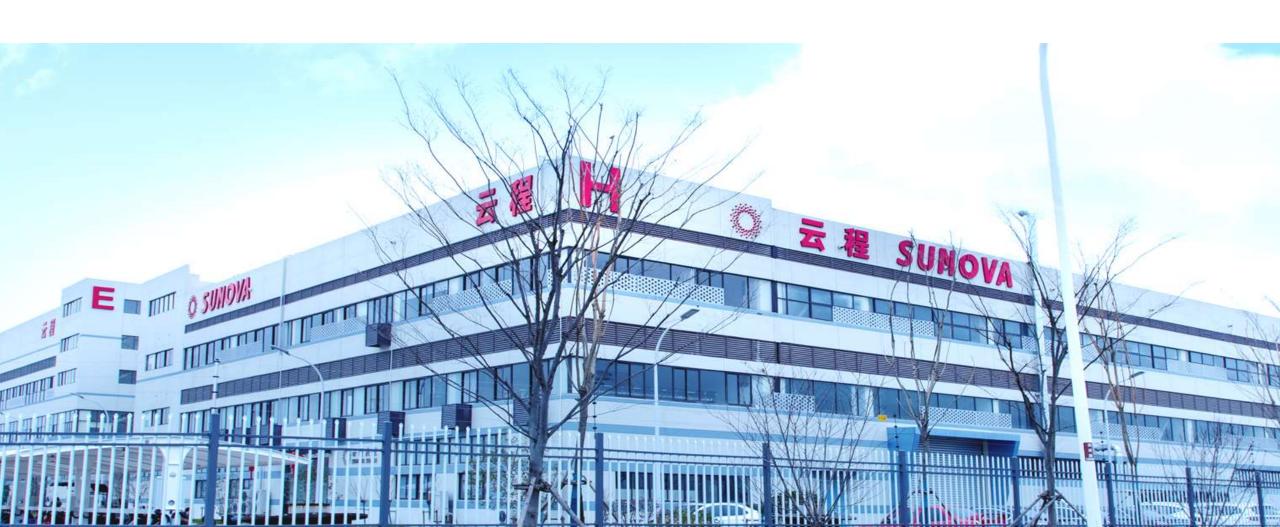
- Set up **1GW** differentiated product line.
- Expand 9GW cell capacity.
- Started construction of new HQ at Wuxi Yanqiao

 Sunova Solar Technology Co., Ltd founded in Wuxi, China.

- Setting up 1st 200 MW production facility.
- Sunova Group AUS PTY LTD founded in Australia.
- Sunova set up the second 200 MW production line.
- Production capacity expanded to 1 GW.
- The annual cumulative shipment reached to 2 GW.
 - Sign with PINGAN, Ariel-Re and LLYOD'S.

WUXI Factory 4 GW Modules

800+ EMPLOYEES



Vietnam Factory 1.5 GW Modules

200+ EMPLOYEES



Sichuan Yibin Cell Factory

Cell capacity: 9GW



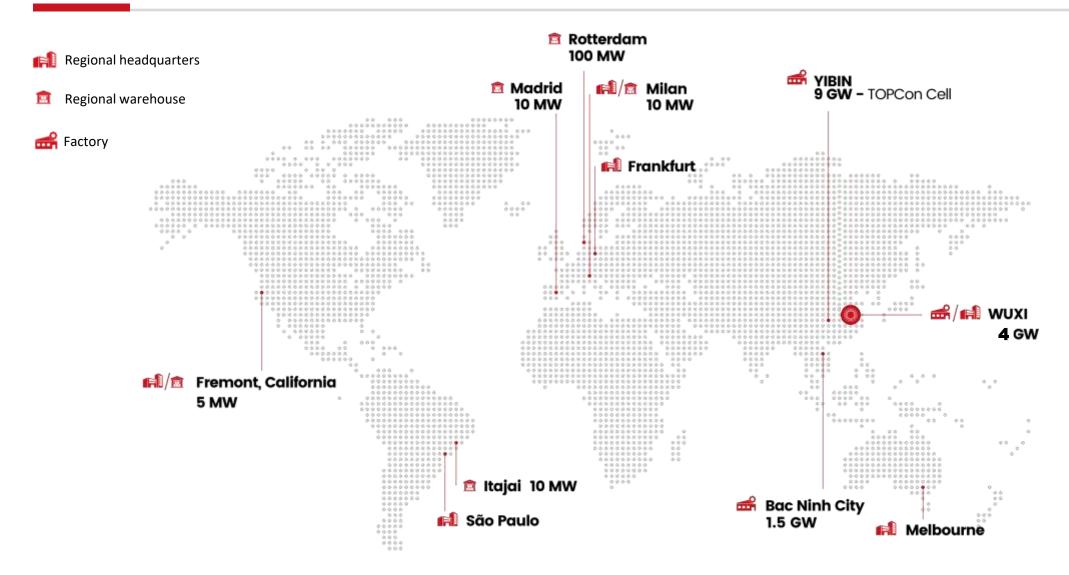
Wuxi Yanqiao Factory Global Headquarter Base



Global Networking







Integrated Industrial Chain

www.sunova-solar.com

Production Process - Cell





Advanced Technology:

A Mutually Beneficial Situation of Cost Reduction and Efficiency Improvement.

Why TOPCon?

01 Investment Economics:

- More advanced technological processes
- Improved key equipment
- →The investment economics of the current technology are more pronounced.

03 Cost Reduction:

- Use of thinner wafer ≤130µm
- Further cost reduction through optimization of BOM
- →Can increase the potential for cost reduction.

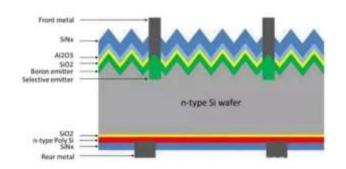
02 Significant Power Generation:

- Mass production cell conversion efficiency >26%.
- First-year degradation rate is ≤1%, and annual degradation is ≤0.4%.
- Bifacial rate of up to 85%.
- →Increased power generation.

04 Great Potential for Improvement:

- Can be combined with x BC and other platform technologies.
- Theoretical efficiency of 28.7%.
- →Has vast room for expansion and development potential

Introduction of TOPCon Technology



Tunnel Oxide Passivated
Contact Cell

Production Process - Cell





High-Efficiency Cell Products: Reliable and Stable Power Guarantee



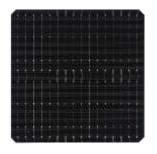
210*210 mm



182*199 mm



182.2*191.6 mm



182.2*182.2 mm



182.2*183.75 mm



Mass Production efficiency 25.6%

High Efficiency N-Type Module





Maximum Power

705W

Higher Bifacial Rate ▶

Up to 85%

Better Temperature Coefficient >

Power temperature coefficient (-0.30% ->-0.28%)

Linear Power Guarantee

30 years

◆ Highest Efficiency

22.7%

◆ Size

Cell Size: 210 * 210 mm

Module Size: 2384 * 1303 * 35 mm

◆ Lower Power Degradation:

First-year degradation ≤1 %, Annual degradation ≤ 0.4%

→ Improved Low Irradiation Response

Excellent long and short-wave spectral response ensures continuous power generation

Sunova N-Type Series: **Tangra**™







Bifacial technology enables additional energy harvesting from rear side. (up to 30%)



Excellent low irradiance performance.



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



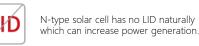
30 years lifespan brings 10-30% additional power generation comparing with conventional P-type module.



Better light trapping and current collection to improve module power output and reliability.



Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



Half-Cell Mono Module

Standard Module Linear Performance Warranty SUNOVA N-type High Efficiency Half-Cell Mono

Bifacial Dual Glass Module

Standard Module Linear Performance Warranty

SUNOVA N-type Bifacial Double Glass Module

Module Linear Performance Warranty

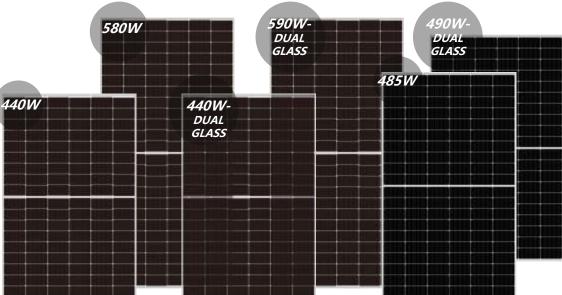


Industry leading lowest thermal co-efficient of power.



100% triple EL test enabling remarkable reduction of hidden crack rate of modules.

580W 440W DUAL GLASS



Tangra S (420-440) 54MDH Tangra S Pro (420-440) 54MDH Tangra S Pro Alpine (420-440)-54MDH Tangra S Pro Black (420-440)-54MDH Tangra S (465-485) 60MDH Tangra S Pro (470-490) 60MDH



Tangra M (510-530) 66MDH Tangra M Pro (520-540) 66MDH Tangra M (560-580) 72MDH Tangra M Pro (570-590) 72MDH



Tangra L (610-630) 78MDH Tangra L Pro (600-615) 78MDH Tangra L Pro (620-640) 60MDH G12(T) Tangra L Pro (680-705) 66MDH G12(T)

































N-Type Series: **Tangra**[™] **HD**







Bifacial technology enables additional energy harvesting from rear side. (up to 30%)



Excellent low irradiance performance.



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N-type solar cell has no LID naturally which can increase power generation.



Industry leading lowest thermal co-efficient of power.

620W



615W-

DUAL GLASS

100% triple EL test enabling remarkable reduction of hidden crack rate of modules.

515W

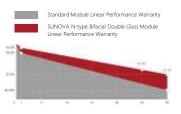
590W-

UAL GLASS

Half-Cell Mono Module



Bifacial Dual Glass Module



Product quality &

Linear power

0.40 Annual Degradation











460W-DUAL GLASS











182x186mm

Tangra S HD (425-445)-54MDH Tangra S HD Black (425-445)-54MDH Tangra S Pro HD (425-445)-54MDH

182x191.6mm

Tangra S HD (445-465)-54MDH-G10 Tangra S Pro HD (445-460)-54MDH-G10

Tangra M HD (495-515)-60MDH-G10 Tangra M Pro HD (495-510)-60MDH-G10 Tangra M HD (545-565)-66MDH-G10 Tangra M Pro HD (545-560)-66MDH-G10

Tangra L HD (600-620) 72MDH-G10 Tangra L Pro HD (595-615) 72MDH-G10

182x199mm



Tangra M Pro HD (565-590)-66MDH-G13









Certification & Warranty





COMPREHENSIVE CERTIFICATES





















PERFORMANCE INSURANCE







IEC61215/IEC61730/IEC61701/IEC62716/ IEC62804/IEC60068/UL61730

ISO 9001: Quality Management System

Environmental Management System Standard ISO 14001:

International Occupational Health and ISO 45001:

Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System







Sunova's Product Introduction





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Why choose SUNOVA

www.sunova-solar.com

SUNOVA SOLAR Pv Tech Expert.

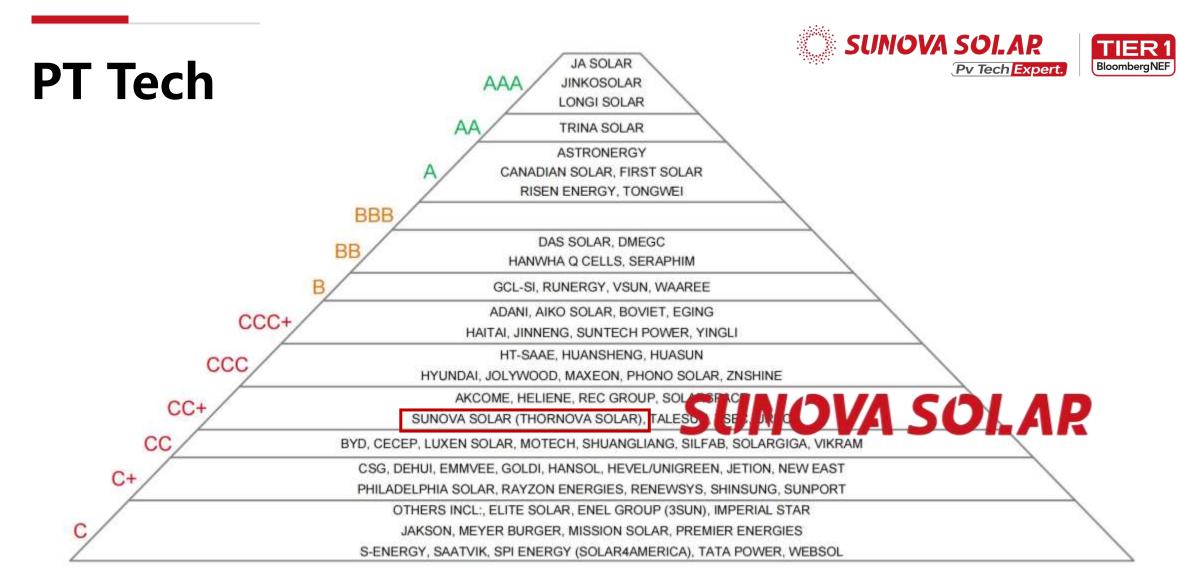


BloombergNEF Tier 1





Source: BloombergNEF Note: Methodology <a href="https://example.com/here.co



Provisional End Q4'23 Ratings: subject to changes post company reporting & PV-Tech in-house data refreshes.

Stable Finance



Excellent company financial condition

- The company's assets are in good condition and its operations are stable.
- Without the historical burden of outdated photovoltaic capacity, it has developed rapidly

Stable Cooperation with Bank and Government

- Significant projects receive policy and financial support from the local government.
- Collaboration with major banks and financial institutions in order to form strategic partnerships

Sustainable Financing Capacity

- Diverse Financing Methods
- Flexible and Efficient Financing Projects

SUNOVA SOLAR Pv Tech Expert.

TIER 1 BloombergNEF

Sustainable Development

Awarded the title of Green Factory







ENVIRONMENTAL, SOCIAL AND

GOVERNANCE REPORT 2022

253,000

RMB 253,000

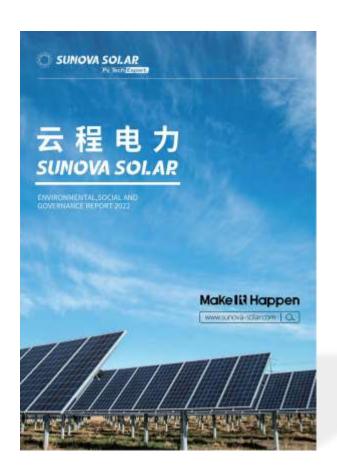
70,690,000

Sustainable Development ESG REPORT

Certificate Authority



Acquisition
Time
December 2023

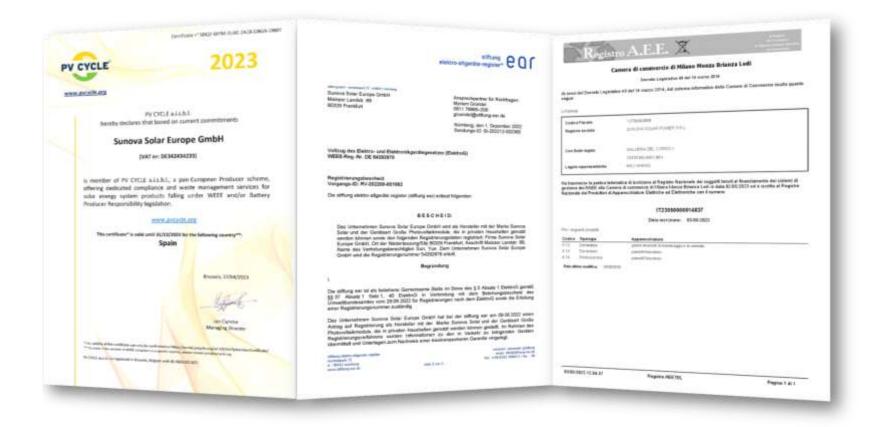








Sustainable Development



PV CYCLE

WEEE

A.E.E.

Anti-Forced Labour

SocialAccountability8000 (SA8000)







SUNOVA SOLAR ANTI-FORCED LABOR DECLARATION

Here, in Sunova Solar Technology Co., Ltd, human rights are always a top priority for us. We have a zero-tolerance policy for human trafficking or slavery. For whom works at or with Sunova Solar, we are committed to treating everyone with respect, and takes seriously and fully supports national and international efforts to end any forms or kinds of modern slavery, servitude, forced or compulsory labor, and human trafficking in any places.

As always, Sunova Solar strictly follows the "ISO 45001 occupational health and safety management system", we devoted in being a company that provides our employees with a free, fair and just platform for self-growth, and strive to transmit the highest moral, ethical and legal values to the public; Besides, we devoted in fair recruitment, promotion and compensation; illegal forced labor and child labor are prohibited.

At the same time, we opposed resolutely to discriminate on the basis of race, color, religion, gender identity, sexual orientation, national origin, age, disability or genetic information.

This commitment also extends to the use of any factory or sub-vendors who make or assemble Sunova Solar products.

We are **not** using below companies' poly silicon in Sunova Solar cells and modules production.

- Hoshine Silicon Industry (Shanshan) Co., Ltd
- Xinjiang Daqo New Energy Co., Ltd
- Xinjiang East Hope Nonferrous Metals Co., Ltd
- Xinjiang GCL New Energy Materials Technology Co., Ltd
- Xinjiang Production and Construction Corps (XPCC)



Participating Association























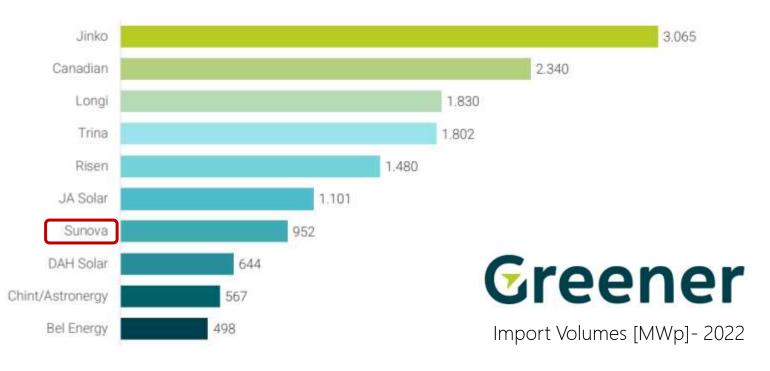




South American Market Greener Report

10 most remembered 1. Canadian Solar 2. Jinko 3. JA Solar 4. DAH Solar Sunova Solar 6. Trina Solar 7. ZNShine 8. LONGI 9. Ulica Solar 10. Risen Solar

Of the 71 module brands for Brazil, the top 10 accounted for 81% of the total import volumes.







More flexible, customer-centric business support



Spare modules

Any project > 10MW, Sunova will keep 5% of original delivery modules in nearby warehouse as spare modules



Payment Bond

Company guarantee/ Bank guarantee/ Letter of Credit



Flexible Payment Solutions:

OA (Sinosure, tradewind etc) / Letter of Credit/ Confirming

C&I Project References

www.sunova-solar.com







1.5 MW / 410 W

Neuhausen, Germany







900 kW / 450 W Czech







990 kW / 550 W







500 kW / 410 W Sweden







300 kW / 410 W

Germany







300 kW / 410 W

San Simon, Philippines



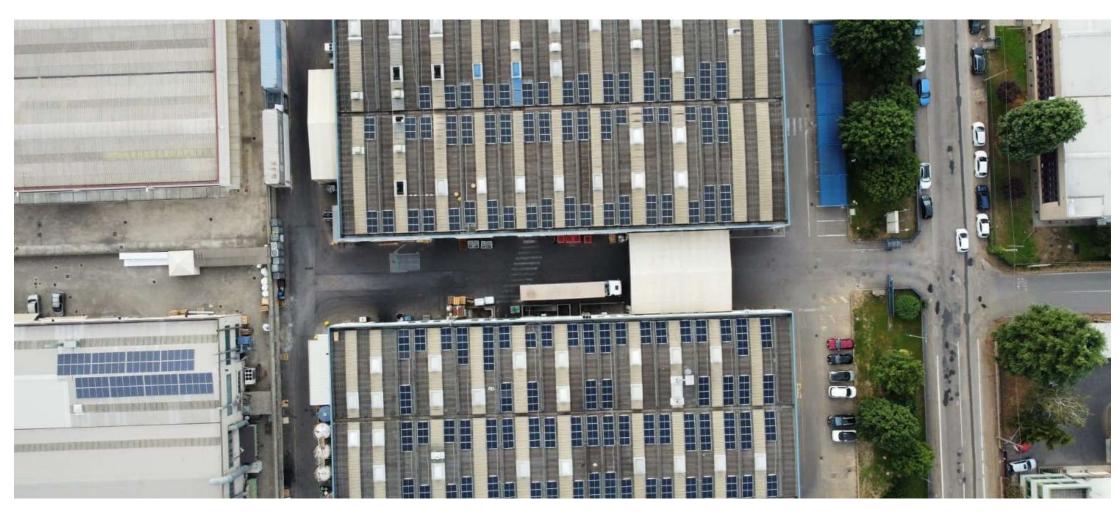




220.14 kW Germany







200 kW







107.8 kW / 550 W

Elias Fausto – São Paulo, Brazil

Utility Project References

www.sunova-solar.com







300 MW

Liaoning · China









122 MW

Wolvega, The Netherlands







12 MW

Calarasi County, Romania









80 MW

40090 Uchacq et Parentis, France











Financial Bank





INTESA SANPAOLO

9.99 MW

92026 Favara Sicilia, Italy









6.28 MW

Municipio de Erval Seco RS









5.17 MW

São Paulo, SP, Brazil









5.63MW

Gegharkunik province, Armenia









6.7 MW Vauxhaul, Alberta, Canada









5.34 MW

2.190 Greycourt Rd, Chester, NY 10918, US







