

INVESTING IN INDONESIA'S RENEWABLE ENERGY EXPORT OPPORTUNITIES

Milestones



1997

Trina Solar was founded

2006

Listed on NYSE

2014

Became world's largest PV module supplier 2016

Started Thailand factory operations

Started Vietnam factory operations

2018

Acquired Spanish tracker company Nclave

2021

50GW+ companywide production capacity

40GW+ production capacity for industry-leading 210 Vertex module

2023

joined hands with eight industry players to initiate standardisation and lead the standardisation of module sizes

Qinghai Base achieved full integration of crystal pulling, slicing, cells and modules

upgraded to the 700W+ PV Open Innovation Ecological Alliance

2003

Built 40 off-grid solar power stations in Tibet, China 2008

Built Trina Solar PV Industry Park 2015

Started the layout for storage business

2017

Launched Million-Roof Plan in China 2020

Listed on SSE STAR market

Led 600w+ PV Open Innovation Ecological Alliance Announced 2022

A net zero industrial park integrating the source, network, load and storage was established

Joint 62 units to form China's new energy storage industry innovation alliance in Beijing

Globalization









160+ Regions/Countries



40,000+ Employees



65 Countries
Global employees



First three quarters of 2023 Operating Income

USD 11.58 billion

First three quarters of 2023 Net Income Attributable to the Parent USD 724.49 million

USD 17.83 billion

Total Assets

First three quarters of 2023 Total Module Shipments

45GW+

Y-o-Y growth

31.22%

Y-o-Y growth

98.96%

Y-o-Y growth

38.03%

Y-o-Y growth

56.3%

Brand Reputation





Boston Consulting Group Global Tech Challenger Top 100



Fortune China Top 500 Forbes (China) Top 50
MULTINATIONAL COMPANY
In China

China's Green Factory

China Industry Award

2023 Bloomberg Green ESG 50 list Bloomberg Green ESG—Enterprises

National Technological Invention Award

BloombergNEF

100% bankability World's Most Bankable Module Brand



China's Industry Top 500



United Nations BlueSky Award for Leading Technology



Red Dot Design Award



PV Module Reliability Scorecard Top Performer



Top 100 Innovator For Energy Transit

Industry Leadership





Jifan Gao elected as The honorary chairman of the CPIA



Industry Partner of the World Economic Forum



Jifan Gao elected as
Founding Member of
the Private Sector
Advisory Board for UNDP
in China





Jifan Gao elected as Vicechairman of the B20 China Business Council

Jifan Gao serves on the CEO Council for Sustainable Urbanization











National Intellectual Property Demonstration Enterprise



R&D Capabilities





Formulation of Standards

Industry standards led on or participated in 176

Standards issued 125

First to propose IEC international standards





Laboratory Accreditations

World's first TÜV Rheinland IEC certified witness test laboratory



R&D Results

Patent and software copyright applications 4000+

Granted patents 2000+

Vertex 210 Modules



Vertex 210 modules significantly reduce project costs

95%

210mm module production capacity to total capacity

No. 1

World's largest 210mm module production scale

Wide product range for multiple settings

Compared with same-class products on the market

0.004-0.014 USD/W▼

1%-3% ▼

Lower system costs

Lower LCOE

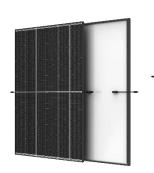
Over 100GW

By the end of November 2023, 210mm modules had been shipped throughout the world to supply large-scale power stations and all distributed scenarios.

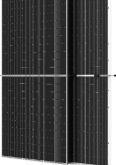




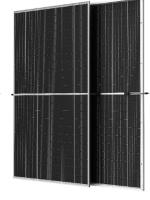












Vertex N
700W

Solar Projects











Solar Projects











TrinaTracker



A leading smart tracker solution provider

3%-8% 🛕

2.4%-4.5%

Higher power generation with smart tracking control system

Lower electricity cost per watt-hour compared with traditional trackers

30%

High safety and stability

Adjustable tilt angle enabled by patented spherical bearing

Wide applications, resilient to extreme weather conditions

Global project design, capacity planning and service

12GW+ 10GW+

Global installations Annual capacity



TrinaTracker















A vertically integrated & bankable BESS solution provider

Strengths

Elementa

Vertical integration

Capabilities set up along the whole industrial chain:

- R&D capability with strong talent team, advanced research platforms and testing facilities
- Manufacturing capability for comprehensive product range
- Integration capability of pack, rack and product

Bankability

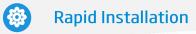
 Top 10 Bankable System Integrators of BNEF Storage providers & integrators bankability survey results 2022

Key advantages

- Always Customer Orientated
- Excellent Product and fully wrapped System Solution
- Outstanding Project Delivery Capability
- Reliable service offering

- 2.2MWhr @ ~1500Vdc, modular design
- Flexible, high-performance, inherently safe utility scale battery system tailored for grid-scale installations in the key storage markets.
- Fully integrated and pre-fabricated with industry-leading LFP batteries, liquid cooling system, BMS and fire suppression system, it is optimized for flexibility, smooth installation, and efficient maintenance.
 - **E**nhanced Lifecycle
- Advanced Safety Features

Optimized Cost





Energy Storage Solutions







- Frequency Response
- Balancing Mechanism
- Wholesale market arbitrage



50MW/102MWh

- Dynamic Frequency Services,
- Wholesale market arbitrage;
- Capacity market

Base Information

UAE (Polysilicon, silicon wafer, cell and module of the whole industrial chain base, expected to start production in 2025)

Ordos (Module Base)

Sugian (Silicon Wafer , Module and Cell Base)

Huai'an (Module and Cell Base)

Chuzhou (Battery Cell Base)

Yangzhou(Module and Cell Base)

Xining, Qinghai

(Whole Industrial Chain)

Deyang (Crystal pulling Base)

Yancheng (Module and Cell Base)

Changzhou (Module Base)

Yiwu (Module Base)

Thailand (Module and Cell Base)

Vietnam

(Silicon Wafer ,Module and Cell Base)

Indonesia

(Module and Cell Base, expected to start production in 2024)

America

(Module Base, expected to start production in 2024)



2023 Module Capacity

95 GW

2023 Cell Capacity

75 gw

2023 Silicon Wafer Capacity

50 GW

By the end of 2023

Trina Solar Investment







Location: Kendal Industry Park



Capacity: 1GW N-type Topcon Cell & Module



Land Size: 70,000 m2



Investment: Over 86 Million USD

China-Indonesia



A Continues and Growing Economic Partnership A Strong Bilateral Trade Relationship

- 1. Long-standing Trade Partnership
 - China has been Indonesia's largest trading partner since 2013.
- 2. Trade Volume and Market Share
 - Trade volume accounted for 25.72% of Indonesia's total trade volume.



Indonesia is A Prime Investment Destination in ASEAN

1. Attractive Investment Factors

- Vast Market: Access to a large and diverse consumer base.
- Competitive Production Costs: Economic efficiency in manufacturing and services.
- Abundant Raw Materials: Rich in natural resources essential for various industries.

2. Economic Growth and Stability

- Sustained rapid economic growth, powered by robust investment and consumption.
- Positive macroeconomic indicators showcasing a stable and growing economy.

3. Sound Economic Structure

- A balanced and diversified economic structure.

4. Future Outlook

- Continuous improvement in economic conditions.
- Unique comparative advantages positioning Indonesia ahead in the ASEAN region for foreign investments.

Trinasolar

Huge Market Potential For Solar Energy In Indonesia

- 1. National Solar Commitment
- Solar energy identified as the primary source for green, sustainable electricity.
- 2. Governmental Investment in Solar Power
- Ministry of Energy and Mineral Resources investing 210 billion IDR (~14.5 million USD) for rooftop solar panels on 70 government departments.
- Annual savings: 15 million kWh/year, equating to 22 billion IDR in electricity costs.
- Reduction of greenhouse gas emissions.
- 3. Solar Archipelago Initiative
- Aim: Install rooftop solar panels for millions of impoverished households within 4-5 years.
- 4. Expanding Solar Energy Projects
- Constructing large-scale solar plants on former mining sites and unproductive land.
- Developing floating solar farms on dams
- Transitioning steam power plants to solar power.

