

To Provide Safe , Economical and Green Energy!

CosinSolar

CSP

QUARTERLY UPDATE

PART I: PROJECT PORTFOLIO

This section provides a comprehensive overview of the construction progress for all CSP projects involving Cosin Solar as of the end of 2025. It highlights our pivotal role in China's rapidly expanding CSP sector, detailing key metrics such as newly grid-connected capacity, cumulative installations, and current pipeline projects. The summary showcases our significant contribution to the national portfolio and the successful execution of major initiatives alongside leading industry partners.

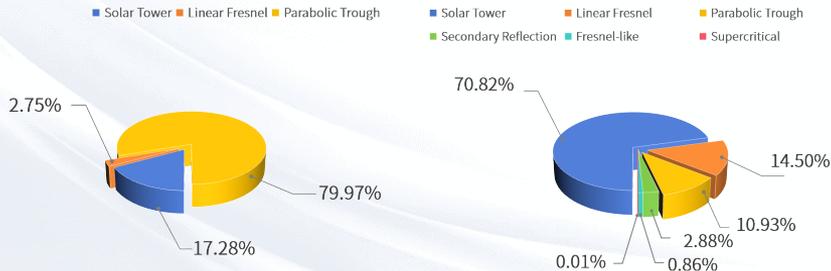
CSP INSTALLATION OVERVIEW

CSP Development: China and Major International Countries and Regions

As of the end of 2025, the cumulative installed capacity of CSP in **major countries and regions globally reached 8,800.2MW**, with parabolic trough technology accounting for approximately 79.97%.

China's cumulative installed capacity of CSP units reached **1,738.2MW**, of which solar tower technology accounted for about 70.82% and parabolic trough technology about 10.93%.

Share of Concentration Technologies in Cumulative CSP Installed Capacity: Major International Countries and Regions (Left) vs. China (Right), 2025



CSP in China: Present and Future

Approximately **25 CSP projects** are under substantive construction across provinces and autonomous regions in China, **with a combined installed capacity of 3,000MW**.

Cosin Solar has participated in the construction of about **16 CSP projects** (including both grid-connected and under construction), with a **total installed capacity of 2,060MW**, representing a **market share of about 60%**—ranking first in the industry.

According to the goals set forth in the "Opinions on Promoting the Large-scale Development of Concentrated Solar Power" issued by the National Development and Reform Commission and the National Energy Administration: By 2030, China aims to achieve a **total installed CSP capacity of approximately 15,000MW**, with the levelized cost of electricity (LCOE) roughly equivalent to that of coal-fired power.

UNDER OPERATION



Jinta ZhongGuang Solar “CSP + PV” Pilot Project 100MW CSP Project

- Installed Capacity: 100 MW Tower CSP + 900 MW PV
- Cosin Solar: Full-process management of CSP project construction, overall plant process design (excluding the power island), supply of core system equipment, commissioning, and technical guidance for operation and maintenance.
- Grid Connection Date: May 28, 2025.

Project Operation Performance

- The project initiated back feed on March 3 and achieved grid-connected power generation within the subsequent 59 days.
- The entire process was fully integrated on July 10, and full-load operation was rapidly attained just 11 days after the full system was put into service.
- This makes it the fastest CSP-plus integrated project currently connected to the grid to achieve full-load operation, as well as the first CSP plant to exceed daily power generation of 1000 MWh.



UNDER OPERATION



CTGR Qinghai Qingyu DC 100MW CSP Project

- Installed Capacity: 100 MW Tower CSP + 900 MW PV
- Investor: CTGR
- EPC Consortium: Cosin Solar, PowerChina Xibei Engineering Corporation, and Zhejiang Thermal Power Construction, providing technology, equipment, and services for the solar concentrator and heat collection system.
- Grid Connection Date: April 29, 2025.



ENERGY CHINA ZTPC Xinjiang Turpan CSP + PV Integrated Project (100MW CT CSP)

- Installed Capacity: 100 MW Tower CSP + 900 MW PV
- Investor: China Energy Engineering Group Investment Company
- EPC Consortium: Cosin Solar, China Energy Engineering Group Zhejiang Electric Power Design Institute, and Zhejiang Huaye, providing technology, equipment, and services for the solar concentrator and heat collection system.
- Grid Connection Date: April 30, 2025.

UNDER OPERATION



SPIC Xinjiang Turpan Shanshan Qiketai 100MW CSP

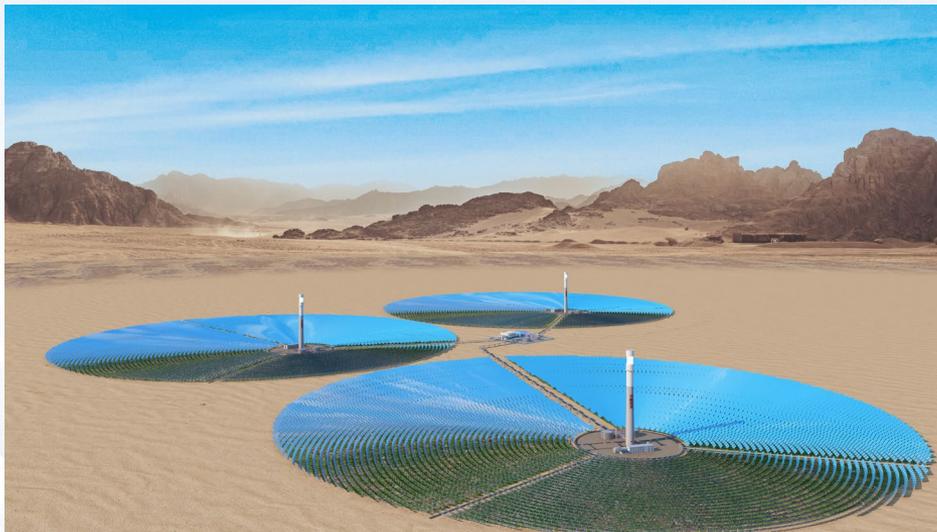
- Installed Capacity: 100 MW Tower CSP + 900 MW PV
- Investor: SPIC Henan Company
- General Contractor: Shandong Electric Power Engineering Consulting Institute
- Cosin Solar: Provides technology, equipment, and services for the solar concentrator and heat collection system
- Grid Connection Date: May 24, 2025.



CHN Energy Qinghai Qingyu DC 100MW CSP Project

- Installed Capacity: 100 MW Tower CSP + 900 MW PV
- Investor: China Energy Investment Group
- General Contractor: Powerchina Northwest
Cosin Solar: Provides technology, equipment, and services for the solar concentrator and heat collection system
- Grid Connection Date: December 29, 2025.

UNDER CONSTRUCTION



Cosin Solar Golmud 350MW Tower CSP Project

- Installed Capacity: 350 MW Tower CSP
- Cosin Solar: Full-process management of CSP project construction, overall plant process design (excluding the power island), supply of core system equipment, commissioning, and technical guidance for operation and maintenance.
- Construction Progress: Officially commenced in October 2025; by November 20, the foundations of three towers have reached ground level.



UNDER CONSTRUCTION



CGN New Energy Delingha 1GW Hybric Project (200MW CT CSP)



CGN New Energy Jixilugu DC 490MW Hybrid Project (100MW CT CSP)



SPIC Jixi Base Jixilugu DC 1.4GW Hybrid Project Unit 1 100MW CSP



POWERCHINA Tuokexun County CSP + PV Integrated Project (100MW CT CSP)



Luneng Fukang Hybrid Project 100MW CSP Project



ENERGY CHINA Hami 150MW CT CSP



PART II: CORPORATE HIGHLIGHTS

This section focuses on the latest significant developments and strategic advancements at Cosin Solar beyond our project portfolio. It covers our leadership in shaping industry standards through active participation in international and national technical committees. Furthermore, it outlines our integrated service model and core technological expertise that underpin our project success, positioning Cosin Solar as a key innovator and reliable partner in the global CSP landscape.

IEC International Standard Led by Cosin Solar Officially Released

On January 12, the international standard IEC 62862-4-2, *Solar thermal electric plants – Part 4-2: Heliostat field control system of solar tower plants*, led by Cosin Solar, was officially released. Its Final Draft International Standard (FDIS) received 100% approval votes from 11 countries, achieving unanimous passage.

This standard is the world's first product standard specifically addressing the heliostat field control system of solar tower plants. The standard was jointly led by Cosin Solar and China Datang Corporation Science and Technology Research Institute Co., Ltd. **The convener of the drafting group was Jin Jianxiang, Chairman and Chief Scientist of Cosin Solar.** The drafting process took four years to complete, incorporating the expertise of experts from multiple countries, including China, France, Spain, Italy, Germany, USA and so on.



9
IEC International Standards

10
National Standards

23
Industry and Association Standards

Cosin Solar has long been committed to the research of core CSP technologies and the development of standard systems. To date, We has participates in and leads the development of international and national standards, covering key areas such as solar concentration, heat collection, and thermal storage for tower CSP Plant.

To Provide Safe, Economical and Green Energy

CosinSolar

- Founded in 2010, focus on tower CSP and energy storage technology
- Independent R&D with fully patented technology and homebred equipment
- Technology consultancy, equipment integration, engineering services, etc
- Development, investment, construction, commissioning, operation of projects, etc

YouTube: Cosin Solar

Twitter: @CosinSolar

Website: www.cosinsolar.com