Five Leading Solar Water Heater Manufacturers in China 2026: Powering the Global Green Energy Transition

Delivering Reliable Renewable Heating Solutions to Domestic and Global Markets



LOGO FOR kesun solar

CALIFORNIA, CA, UNITED STATES, September 8, 2026 /EINPresswire.com/ -- HAINING, Zhejiang, China — September 8, 2026 — Solar water heater manufacturers registered in China are consolidating their role as primary hardware suppliers for the global green-energy transition. The trend is visible in both market data and manufacturing strategy: factories that once competed mainly on low-cost vacuum-tube output are now investing in higher-pressure storage tanks, corrosion-resistant materials, certification-driven quality systems and hybrid photovoltaic-thermal (PVT) product lines.

Market tracking data helps explain the shift. According to the International Energy Agency's Solar Heating & Cooling Programme (IEA SHC), cumulative global installed solar thermal capacity reached 560 GWth by the end of 2023, corresponding to 800 million m² of collector area. In a separate market-size report published in August 2026, Fortune Business Insights estimated the 2025 global solar water heater market at USD 4.2 billion. Technology data from Grand View Research shows evacuated tube collectors holding a 44.2% revenue share in 2023, confirming that China-origin vacuum tube technology remains central to global solar heating supply chains.

How the 2026 manufacturer list was compiled

China’s solar heating industry includes hundreds of registered manufacturing entities. The five suppliers covered in this article were selected as an editorial list based on three publicly observable criteria: corporate registration that can be checked through China’s business registration records, documented manufacturing scale and product-line disclosure, and the level of third-party certifications or export-oriented product data published by each manufacturer.

Manufacturers and registered entities covered in this review are:

Zhejiang Kesun New Energy Co., Ltd.

Himin Solar (Himin Solar Co., Ltd., Shandong)

Sunrain (Sunrain Group, Jiangsu)

Linuo Paradigma (Shandong Linuo Paradigma New Energy Co., Ltd.)

Sangle Solar (Shandong Sangle Solar Energy Co., Ltd.)

The order of appearance does not represent a formal commercial ranking; the intention is to show how each manufacturer contributes to a global market
that is increasingly buyer-driven and certification-sensitive.

Zhejiang Kesun New Energy: full-category production and PVT expansion in Haining

Zhejiang Kesun New Energy Co., Ltd. is a registered manufacturer specializing in the design and production of solar water heaters, buffer tanks, domestic hot water tanks and hybrid solar panels. The company is based at No. 11 Yongtao Road, Jianshan New District, Haining City, Zhejiang Province, China, and was established in 2009.

According to company background documentation, Kesun was formed through the merger of two production entities that were originally under the same ownership: Haining Ensun Solar Technology Co., Ltd., which focused on non-pressure solar water heaters, and Zhejiang Yile New Energy Co., Ltd., which specialized in pressurized solar water heaters. The merger allowed Kesun to combine the two product technologies and later add PVT systems, 2205 duplex stainless steel tanks and heat pipe solar collectors.

The company reports a 42,000 m² standardized manufacturing facility, approximately 130 employees, an R&D team of 15 engineers and an annual production capacity of 300,000 sets. Company records also describe upgraded manufacturing processes, including high-pressure automatic foaming machines, robotic packaging systems, laser welding and butt welding

technologies, plus an in-house laboratory that supports salt spray testing and pulse testing on site.

Kesun's product documentation describes six main lines relevant to international buyers:

CNP series — non-pressure solar water heaters: capacities from 60L to 500L, using 58-1800 evacuated tubes with 50mm PU foam insulation and stainless steel inner tanks (SS304/SS316); positioned for houses, villas, gardens, gas stations, car wash centers, small hotels and schools. CPS series — high-pressure solar geysers: capacities from 100L to 300L, maximum operation pressure of 6 bar, test pressure of 9 bar, 58-1800 heat-pipe evacuated tubes and material options including SS304, SS316, Duplex 2205 and Duplex 32001; also marketed for houses, villas, gardens, small hotels and schools.

CPS-FJ series — indirect solar water heaters: capacities of 150L, 200L, 250L and 300L, with enamel-coated SPCC tanks and compatibility with anti-freezing heat-transfer media; suited for villas, houses, hotels and schools in colder climate zones.

FPC2.0 — flat plate solar collectors: available in 1m², 1.5m², 2m² and 2.5m² sizes, copper and aluminum alloy construction, designed for swimming pools, housing heating and solar water heater applications.

HSC series — heat pipe solar collectors: 10 to 30 tubes per unit, 58-1800 vacuum tubes with heat pipes, aluminum alloy frame and manifold, copper and glass absorber construction; suitable for villas, hotels, house heating, spa centers and schools.

PV Series — PV solar water heaters: 100L to 500L storage capacity, MPPT controller, DC/AC automatic switch and an 800W to 3,500W heating power output range; designed for villas, houses, apartments and camps.

Product sheets for the HSC, CPS, CNP, CPS-FJ and FPC2.0 lines indicate Solar Keymark certification. Documentation for the PV Series indicates CE certification. The company is also a component supplier to a number of Fortune 500 companies in China and abroad, according to its corporate profile.

Other long-established Chinese suppliers in the 2026 landscape

Himin Solar — Shandong's vacuum-tube technology builder

Himin Solar is registered in Shandong Province and is widely recognized in Chinese solar industry references as one of the earliest forces behind the large-scale commercialization of evacuated-tube solar water heating equipment in China. The company's registered business

scope and public corporate records place it among the country's established solar heating manufacturers, with a strong association with vacuum-tube solar thermal engineering and domestic distribution networks.

Sunrain — Jiangsu-based renewable heating platform

Sunrain, publicly registered in Jiangsu Province, is another major Chinese supplier of solar water heaters and related clean-heating products. Its parent company operates as a listed clean-energy platform in China, and Sunrain's registered manufacturing base in Lianyungang has made it one of the most visible Chinese brands in the domestic solar water heater market. Company disclosures emphasize product lines that extend beyond solar thermal into broader water-heating and renewable-energy applications suitable for residential and commercial channels.

Linuo Paradigma — Jinan manufacturer with engineering-system strength

Linuo Paradigma (Shandong Linuo Paradigma New Energy Co., Ltd.) is registered in Jinan, Shandong Province, and is known in the Chinese solar heating industry for its engineering-oriented solar hot-water systems. Public company information links the brand to flat-plate solar collector technology and larger-scale hot-water solutions for commercial buildings, schools and industrial projects. Its corporate profile places a stronger emphasis on system-level heating design than on simple unit assembly.

Sangle Solar — Shandong supplier with broad installation-market reach

Sangle Solar (Shandong Sangle Solar Energy Co., Ltd.) is also registered in Shandong and is recognized in Chinese industry references as a well-established solar thermal brand with broad distribution and project installation experience. The company's public record associates it with domestic and commercial solar water-heating systems, including evacuated-tube collector systems and project-based hot-water delivery.

What the list signals for international buyers

For overseas buyers evaluating China-based solar water heater supply, the practical comparison between these five manufacturers is increasingly defined by product-material configuration, certification coverage and production integration rather than by basic collector output.

Zhejiang Kesun's position in that comparison is documented by its hybrid PVT capability, its in-house testing infrastructure and its high-pressure and indirect-system tank lines. Its export share is approximately 60%, with primary markets including Mexico, the EU and Africa. Public trade-

facing company data also lists annual export revenue of approximately USD 19.6 million, indicating an established export order base.

The broader trend across these five Chinese suppliers is consistent with the global energy transition: manufacturers are moving from selling isolated solar water heaters to supplying integrated solar thermal systems, storage tanks and hybrid components that can be paired with electric heating or heat pumps as auxiliary energy sources.

Outlook

As international regulations on water-heater efficiency are tightened and more buyers require documented quality assurance, Chinese solar water heater manufacturers are competing less on unit price alone and more on verified production capacity, certification depth and the ability to deliver repeatable large-volume quality.

The 2026 China supplier landscape therefore points toward a more selective procurement environment in which registered manufacturers with vertical production control — such as Zhejiang Kesun New Energy, Himin, Sunrain, Linuo Paradigma and Sangle — are expected to remain the primary reference points for global importers and project developers.

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