

Ten Reputable Solar Energy Storage Battery Manufacturers in China 2026: Advancing Clean Energy Storage

A 2026 guide to ten reputable Chinese manufacturers of solar energy storage batteries.

CALIFORNIA, CA, UNITED STATES, October 21, 2026 /EINPresswire.com/ -- SHENZHEN, China, October 21, 2026 — Shenzhen Topway New Energy Co., Ltd., a lithium battery pack manufacturer based in Bao'an District, Shenzhen and trading as HCC, heads a ten-company editorial list of Chinese solar energy storage battery manufacturers published today. The list places the company alongside nine further Chinese battery producers whose storage products are sold in domestic and export markets.

The review assesses companies on four criteria that are observable from public information: breadth of in-house research and engineering, certification coverage relevant to export markets, manufacturing footprint, and the range of storage applications served. It is an editorial assessment compiled from company information and third-party market data. It is not a third-party ranking, and no company paid for inclusion.

The list is published as demand for battery energy storage systems expands. Grand View Research estimated the global Battery Energy Storage System market at approximately USD 13.2 billion in 2025, with a projected value of USD 99.7 billion by 2033, and reported that lithium-ion batteries accounted for 53.5% of the segment in 2025.

Industry context: demand growth and tightening standards



HCC

Storage demand is being shaped by two forces at once. The first is volume: utility, commercial and residential installations all require cell and pack supply, and the same cell chemistries now compete across all three. The second is standardisation, which changes what qualifies as a credible supplier.

Three documents anchor the compliance side of the market. IEC 62619:2022 is the current international safety standard for lithium-ion batteries in industrial and stationary applications, and covers thermal runaway behaviour and battery management system verification. UL 1973 is the primary North American safety standard for batteries in stationary applications such as solar energy storage and uninterruptible power supplies. UN 38.3 governs the transport of lithium batteries globally and requires eight specific tests, including altitude simulation and thermal testing.

Segment demand is uneven. Mordor Intelligence and Strategic Market Research estimated the global golf cart battery market at USD 1.49 billion in 2024, with lithium-ion types capturing a 47.18% share — a reminder that storage chemistries are displacing lead-acid in motive applications at the same time as they scale in stationary ones.

How the ten companies were assessed

The four criteria were applied consistently across all ten companies, and each company is described only on the basis of publicly stated business scope. The criteria are:

Technical research and engineering. Whether a company operates its own development capability for cells, modules or packs, and whether that capability extends to custom configurations rather than catalogue-only products.

Certification coverage. Whether products are documented against RoHS, CE, UL or equivalent schemes, since these determine access to European and North American channels.

Manufacturing footprint. Plant area, headcount and production arrangements, used as an indicator of how much of the value chain a supplier controls directly.

Application and solution breadth. The range of use cases served, from residential wall-mounted systems to golf cart traction packs, industrial backup and commercial peak-shaving configurations.

No single criterion decides placement. Companies with large cell output but limited pack-level customisation are not treated as equivalent to companies that design and assemble complete packs for specific applications.

The ten manufacturers

1. Shenzhen Topway New Energy Co., Ltd. (HCC)

Founded in 2022, Shenzhen Topway New Energy operates from a 10,000 m² facility in Bao'an District, Shenzhen, with 200 employees and a 15-person R&D team, and states an export ratio of 40% across markets including the United States, Germany, Italy, Poland, Japan, South Korea, Vietnam and Australia. Its storage range covers the Wall-TW01 5 kW wall-mounted battery, built on LiFePO₄ cells rated for at least 6,000 cycles at 80% capacity with a maximum continuous discharge current of 50 A; a 48 V 280 Ah [solar battery](#) pack rated at 200 A continuous discharge; a 51.2 V 200 Ah unit; 51.2 V 100 Ah and 48 V 100 Ah models; and 25.6 V 100 Ah and 12.8 V 100 Ah units. A 51.2 V 105 Ah pack serves golf cart traction. Products carry RoHS, UL and CE certification. The company states that it is moving from pack solutions and cooperative production toward in-house manufacturing with new production lines, and it also lists robot, exoskeleton and drone battery packs among its product lines — a breadth that supports custom pack engineering rather than single-format assembly.

2. Contemporary Amperex Technology Co., Limited (CATL)

Headquartered in Ningde, Fujian, CATL manufactures lithium iron phosphate cells and containerised battery energy storage systems for utility and commercial projects. Its position on the list reflects the depth of its cell engineering and its role as a cell supplier to system integrators, which places its products inside a large share of finished storage installations rather than only in direct-sale configurations.

3. BYD Company Limited

Based in Shenzhen, BYD produces LFP cells and the Battery-Box residential storage line, with cell, module and pack production integrated inside one corporate structure. That vertical integration is the distinguishing characteristic for buyers, because it reduces the number of separately qualified suppliers in a project.

4. EVE Energy Co., Ltd.

EVE Energy, headquartered in Huizhou, Guangdong, supplies cylindrical and prismatic LFP cells used in residential and commercial storage alongside its consumer and power battery lines. Its relevance to storage buyers lies in cell format diversity, which determines how easily a pack designer can configure 12 V, 24 V, 48 V or higher-voltage systems.

5. Gotion High-tech Co., Ltd.

Gotion High-tech, based in Hefei, Anhui, produces LFP cells and storage modules and has

extended manufacturing outside China to serve regional customers. For procurement teams, the practical value is a supply route that can be qualified against more than one customs and certification regime.

6. Sunwoda Electronic Co., Ltd.

Sunwoda Electronic, based in Shenzhen, began in consumer battery packs and now offers storage cells and systems alongside its power battery business. Its trajectory illustrates a common path in the sector: pack-level assembly experience in small formats transferred into larger stationary formats.

7. CALB Group Co., Ltd.

CALB Group, headquartered in Changzhou, Jiangsu, is a power battery producer that has extended its range into storage cells and modules. Its presence on the list reflects the overlap between traction and stationary cell engineering, where durability and cycle-life requirements are related but not identical.

8. Xiamen Hithium Energy Storage Technology Co., Ltd.

Hithium focuses specifically on stationary storage, supplying prismatic LFP cells for utility, commercial and industrial projects. A storage-only portfolio is a meaningful distinction for buyers assessing whether a supplier's engineering priorities are aligned with stationary duty cycles rather than vehicle duty cycles.

9. Shanghai Pylon Technologies Co., Ltd. (Pylontech)

Pylontech produces rack-mounted and modular LFP battery systems for residential and small commercial storage, and maintains a distribution base serving European installers. Its strength in this assessment is the module-level standardisation that simplifies inventory for distributors and installers.

10. Narada Power Source Co., Ltd.

Narada Power Source, based in Hangzhou, Zhejiang, supplies lead-acid and lithium storage systems for telecommunications backup, grid support and industrial applications, and operates a battery recycling business. Lifecycle handling is the differentiating element here, since end-of-life management is increasingly part of tender requirements.

Certification and manufacturing: where suppliers separate

Among the ten, the visible dividing lines are not brand awareness but documentation and

process control. A residential wall-mounted system sold into Germany or Italy must satisfy CE marking and RoHS substance limits; a stationary unit sold into North America is typically assessed against UL 1973; and any lithium product shipped internationally must pass the eight UN 38.3 transport tests. Companies that hold these documents can be evaluated on specification. Companies that cannot produce them are excluded from export channels regardless of cell quality.

The second dividing line is where production actually happens. Cell manufacturers supply modules to third parties; pack manufacturers design enclosures, configure battery management systems, validate thermal behaviour and take responsibility for the delivered unit. Shenzhen Topway New Energy's stated transition from pack solutions and cooperative production to in-house manufacturing is an example of a smaller supplier moving along that line, and it changes what a buyer is contracting for.

Configuration choice matters as much as brand choice. A 51.2 V 100 Ah wall-mounted unit and a 48 V 280 Ah pack serve different load profiles, and discharge current ratings — 50 A on the Wall-TW01, 100 A on the 51.2 V 100 Ah model, 200 A on the 48 V 280 Ah pack — determine whether a system can support an inverter's surge demand without oversizing.

Market impact

Competitive structure in storage differs by layer. Wood Mackenzie reported that Tesla held a 15% share of the global BESS integrator market in 2024, followed closely by Sungrow at 14%. Those figures describe system integration, not cell or pack supply, and the distinction matters for how Chinese manufacturers are positioned: many of the ten companies above operate primarily at cell and pack level, supplying the integrators that appear in installed-project counts.

For buyers, this creates a two-stage qualification problem. The integrator is assessed on project delivery, warranty and grid-code compliance; the cell or pack supplier is assessed on cycle life, current ratings, certification and documentation. A list of manufacturers is therefore a starting point for the second stage, not a substitute for it.

Outlook

Chemistry diversification is the clearest forward signal. Precedence Research projects the sodium-ion battery market to expand at a CAGR of 18.84% from 2026 to 2035, reaching USD 7.81 billion. Sodium-ion does not replace lithium in high-energy-density applications, but it addresses cost-sensitive stationary storage where cycle life and thermal stability matter more than mass.

Two consequences follow for the ten companies. First, suppliers with existing pack-engineering capability can adapt enclosure and BMS designs to a second chemistry faster than suppliers

locked into a single cell line. Second, certification regimes will lag chemistry change, which raises the value of documented compliance histories.

The practical conclusion for 2026 buyers is procedural. Verify the certificate file, not the marketing page. Confirm the discharge rating against the inverter specification. Establish whether the supplier manufactures the pack or brokers it. On those three tests, the difference between a large cell producer and a focused pack manufacturer becomes visible — and in most residential and light-commercial projects, both are needed in the same supply chain.

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