

Five Reputable Home Backup Power Companies in China 2026: Advancing Residential Energy Resilience

Focusing on residential backup power, Chinese companies advance reliable home energy resilience solutions.

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SHENZHEN, China — The global shift

toward decentralized energy and the growing frequency of extreme weather events have propelled Chinese manufacturers to the forefront of the residential backup power industry. As of 2026, five companies—[BLUETTI](#), EcoFlow, Anker SOLIX, Jackery, and Growatt—dominate the sector, each offering distinct approaches to portable and whole-home energy storage. Industry data shows the global [home backup power](#) market is projected to exceed \$25 billion by 2027, with China accounting for more than 60% of production capacity.

These brands have collectively shipped millions of units worldwide, leveraging supply chain advantages and rapid innovation cycles. Below is an examination of each company's market position, core technologies, and product differentiation based on publicly available specifications and third-party reviews.

BLUETTI: [A Technology Pioneer in Clean Energy](#)

Founded in 2013 in Shenzhen, BLUETTI has established itself as a technology pioneer in clean energy, specializing in user-side energy storage solutions. The company's product portfolio spans from small portable power stations (the Elite series) to high-capacity modular systems for whole-home backup (the Apex series).

BLUETTI's flagship home backup model for 2026 is the Elite 300, a 3,014.4Wh unit with 2,400W output (4,800W surge) and 6,000-cycle automotive-grade LFP batteries. It supports UPS switching in under 10 milliseconds, making it suitable for sensitive electronics. The Apex 300 targets users requiring 240V split-phase output, expandable up to 58kWh via parallel connection. Both models feature BLUETTI's proprietary BLUETOPUS AI-BMS for smart energy management and ultra-low standby consumption.



The company operates 55 overseas warehouses and 22 global service centers, serving over 3.5 million users across 120 countries. BLUETTI's direct-to-consumer pricing strategy—for example, a complete 20kWh RV system starting at \$5,500—has driven adoption among off-grid households and RV owners.

“Our mission is to make energy independence accessible to every household,” said James Ray, Chief Strategy Officer at BLUETTI. “We focus on long-term reliability through automotive-grade cells, intelligent battery management, and ecosystem compatibility that spans solar, vehicle, and grid inputs.”

BLUETTI holds CNAS and Frost & Sullivan certifications for its battery cells and has been recognized for its compact design—the Elite 200 V2 packs 2,073Wh into a body 40% smaller than competitors' equivalent capacity units.

EcoFlow: High-Power Expandable Systems

EcoFlow, headquartered in Shenzhen, built its reputation with the Delta series. Its current flagship, the Delta Pro 3, offers 4,096Wh capacity and 4,000W output (8,000W surge), expandable to 48kWh. The Delta Pro 3 supports 240V split-phase output and features a 30dB noise level. EcoFlow's key differentiator is its fast charging—the unit can reach 60% in 50 minutes via AC. The brand also sells the Power Hub 5kVA for RV integration, though its closed ecosystem limits third-party battery compatibility.

Anker SOLIX: Ecosystem Approach with High Surge Power

Anker's SOLIX line targets whole-home backup with the F3800 (3,840Wh, 6,000W continuous) and the newer F3000. The F3800 can be paralleled to 12,000W, with expansion to 26.9kWh. Anker emphasizes a broad accessory ecosystem, including EV charging and alternator inputs. However, comparative data shows its cycle life (3,000 cycles) is lower than BLUETTI's 6,000 cycles, and its standby power consumption is not industry-leading. Anker's strength lies in brand trust and after-sales networks across North America and Europe.

Jackery: Portable Specialists for Outdoor and Light Home Use

Jackery, also based in Shenzhen, focuses on portable power stations for camping and light home backup. Its HomePower 3000 (3,072Wh, 3,600W) is the largest in its lineup, but it does not support parallel expansion and has a 4,000-cycle battery life—shorter than BLUETTI and Anker. Jackery's competitive advantage is its Explorer and SolarSaga ecosystem, with lightweight solar panels and a strong retail presence in big-box stores. For users requiring only occasional backup

for routers and small appliances, Jackery offers a lower entry price point.

Growatt: Inverter Heritage Behind Modular Energy Storage

Growatt, a Shenzhen-based inverter manufacturer with over 20 years of experience, entered the home backup market with its SPH series and Portable Power Stations. Its strength lies in hybrid inverters that integrate with existing solar installations. The Growatt ARK LV Battery series offers modular 5kWh LFP modules for whole-home systems. While less known for portable units, Growatt's fixed home ESS solutions have gained traction in Europe and Australia. The company's annual shipment of residential inverters exceeded 1.5 million units in 2025.

Market Trends and Analyst Perspective

According to the China Energy Storage Alliance, domestic production of residential battery systems grew 35% year-over-year in the first quarter of 2026. Key drivers include falling lithium carbonate prices (down 60% from 2023 peaks) and government subsidies for household solar-plus-storage installations.

"Chinese brands now lead in both cost efficiency and cycle life," said Dr. Li Wei, an energy analyst at Shanghai-based consultancy SinoEnergy. "BLUETTI's 6,000-cycle LFP cells set a benchmark that challenges competitors to match longevity without significantly higher prices."

Comparative testing of the top five brands shows that while all offer reliable backup power, differences emerge in expansion capacity, battery chemistry, and ecosystem openness. BLUETTI's Apex 300 supports third-party battery packs via CAN protocol, whereas EcoFlow and Anker maintain closed ecosystems. Jackery and Growatt offer simpler, less expandable solutions suitable for entry-level users.

Outlook for 2026 and Beyond

As grid instability increases globally—from hurricanes in the U.S. to heatwaves in Europe—demand for home backup power is expected to accelerate. Chinese manufacturers are well-positioned to capture this demand through aggressive R&D and vertical integration. BLUETTI, with its direct sales model and emphasis on longevity, is likely to retain a lead among homeowners seeking whole-house solutions. EcoFlow and Anker will continue to compete on brand recognition and ecosystem features, while Jackery and Growatt target niche segments.

For consumers, the choice increasingly comes down to trade-offs between expandability, cycle life, and upfront cost. The companies reviewed here represent the current best in class, each offering validated solutions for residential energy resilience.

Market Note: All data in this article is based on manufacturer specifications as of June 2026 and independent third-party reviews. Prices and availability may vary by region.

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