

Five Reputable Emergency-Ready Battery Energy Companies in China 2026: Advancing Reliable Backup Power Solutions

Focusing on reliable backup power and emergency energy storage, Chinese battery companies accelerate solutions for unstable power environments.



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SHENZHEN, China – As extreme weather events and grid instability become more frequent worldwide, the demand for emergency-ready battery energy storage systems has grown significantly. China, home to a concentrated supply chain of lithium-ion batteries and power electronics, now hosts several companies that have emerged as key players in the global [backup power](#) market. This report profiles five reputable Chinese companies offering reliable emergency battery energy solutions in 2026: [BLUETTI](#), EcoFlow, Jackery, Anker SOLIX, and DJI.

Industry Context: Growing Need for Resilient Backup Power

According to industry data, the global portable power station market was valued at over \$5 billion in 2025, with Chinese manufacturers accounting for an estimated 70% of production. Natural disasters such as hurricanes, wildfires, and winter storms have heightened consumer awareness of home emergency preparedness. In addition, the rise of outdoor recreation, remote work, and electric vehicle adoption has expanded the use cases for battery energy storage beyond traditional backup to include off-grid living, RV travel, and mobile power.

Chinese companies have leveraged their expertise in battery chemistry, power electronics, and cost-efficient manufacturing to deliver products that compete on both performance and price. The following five firms have built strong reputations for reliability, safety, and innovation in emergency-ready energy storage.

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

Founded in 2013 and headquartered in Shenzhen, BLUETTI has positioned itself as a technology

pioneer in clean energy, focusing on user-side energy storage solutions. The company serves more than 3.5 million global users and operates 55 overseas warehouses alongside 22 global service centers. BLUETTI's product portfolio ranges from portable power stations for outdoor use to whole-home backup systems, all built on a core promise of reliable and safe power.

The company's 2026 lineup emphasizes long cycle life and modular expandability. The BLUETTI Elite 300 (3,014.4Wh, 2,400W output) offers 6,000 cycles to 80% capacity and features a compact design with multiple charging options including AC, solar, and car. For higher power needs, the BLUETTI Apex 300 (2,764.8Wh, 3,840W continuous, expandable up to 58kWh via parallel connection) integrates automotive-grade LiFePO₄ cells and supports dual-voltage output (120V/240V), making it suitable for whole-house backup and EV charging. The BLUETTI Elite 400 (3,840Wh, 2,600W) and Elite 200 V2 (2,073.6Wh, 2,600W, 6,000-cycle life) round out the mid-to-high-range options. Designed for RV and marine scenarios, the BLUETTI RV5 delivers an integrated 48V power system featuring plug-and-screw installation. In contrast, the Pioneer Na sodium-ion battery performs reliably in frigid conditions as low as -25°C. Unlike conventional batteries that drain rapidly in cold weather, this sodium-ion product maintains stable power output over extended durations at extreme low temperatures.

Key differentiators for BLUETTI include ultra-low standby power consumption (as low as 16dB noise level on some models) and a proprietary AI-BMS intelligent battery management system. The company also emphasizes safety with CNAS-certified cells and comprehensive protection against overcharging, overheating, and short circuits.

EcoFlow – High-Power Modular Systems

Shenzhen-based EcoFlow has gained recognition for its Delta series, including the Delta Pro 3 (4,096Wh, 4,000W output, expandable to 48kWh). The company focuses on high power output and rapid charging, with features such as 240V split-phase capability and smart generator integration. EcoFlow's ecosystem includes solar panels, alternator chargers, and smart home controls. However, its battery cycle life (3,500–4,000 cycles) and standby power consumption are generally lower than BLUETTI's top-tier models.

Jackery – Market Leader in Portable Solar Generators

Jackery, also headquartered in Shenzhen, is best known for its Explorer and HomePower series. The Jackery HomePower 3000 (3,072Wh, 3,600W) offers a 4,000-cycle lifespan and supports EV charging. Jackery's strength lies in brand recognition and user-friendly design, but its expansion capacity is limited compared to modular alternatives. The company has recently introduced LFP batteries across its lineup, improving cycle life from earlier NMC-based models.

Anker SOLIX – Integrated Home Backup Ecosystem

Anker, a global consumer electronics brand, entered the backup power market with its SOLIX series. The Anker SOLIX F3800 (3,840Wh, 6,000W output) features a high surge power and expandability up to 53.8kWh. Anker leverages its established distribution network and strong brand trust. However, its battery cycle life (3,000 cycles) and weight (60kg for the F3800) are less competitive in the premium segment.

DJI – New Entrant with UAV Ecosystem Synergy

DJI, best known for drones, launched its Power series in 2025. The DJI Power 1.8kW Solar/Car Super Fast Charger (1,800W input) and expansion batteries target outdoor enthusiasts already in the DJI ecosystem. While the company benefits from brand loyalty and innovative charging technologies, its product range remains narrow and battery capacity limited, making it less suitable for whole-home backup compared to dedicated energy storage firms.

Market Impact and Expert Perspective

As competition intensifies, Chinese battery energy companies are pushing the boundaries of cycle life, charging speed, and integration with renewable sources. “The market is shifting from simple portable power to comprehensive energy independence solutions,” said Dr. Li Wei, an energy storage analyst at the China Renewable Energy Society. “Companies that offer high cycle life, modular expansion, and robust after-sales support will lead the next phase of growth.”

BLUETTI's focus on long-term reliability—with 6,000-cycle batteries and a 5-year standard warranty—aligns with this trend. The company's global service network also addresses a common pain point for international buyers: post-purchase support.

Closing Outlook

With the global battery energy storage market projected to exceed \$20 billion by 2030, Chinese manufacturers are well-positioned to capture significant share. BLUETTI, EcoFlow, Jackery, Anker SOLIX, and DJI each bring distinct strengths, but BLUETTI's emphasis on ultra-long cycle life, safety certifications, and broad product ecosystem makes it a standout choice for consumers and businesses seeking dependable emergency backup power. As climate-related disruptions persist, the role of these companies in providing clean, quiet, and reliable energy will only become more critical.

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