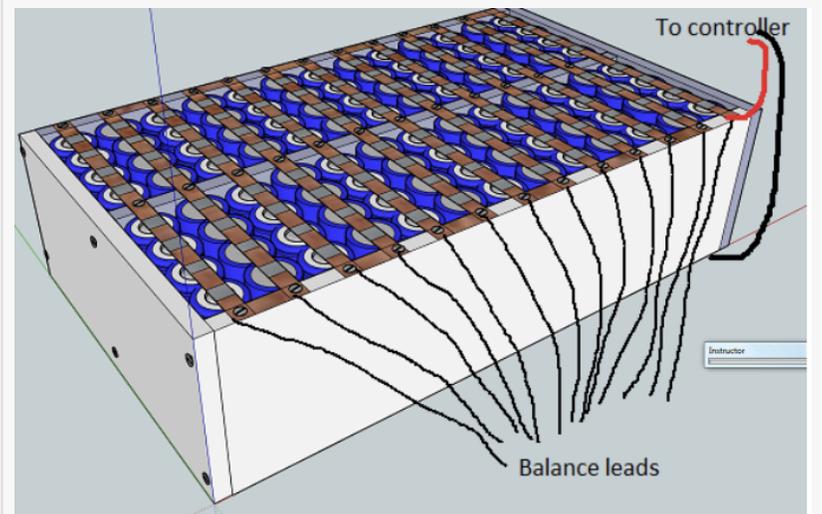


Global Leading Li-Polymer Battery Pack Factory - PKCell Battery

SHENZHEN, GUANGDONG, CHINA, January 7, 2026 /EINPresswire.com/ -- Establishing Global Leadership in Advanced Power Manufacturing Our globalized world requires reliable, high-performance power sources to meet increasing consumer demands for connectivity and mobility. At the forefront of this phenomenon stands Shenzhen [PKCELL](#) Battery Co., Ltd. The company has earned its reputation as a global leading Li-polymer battery pack factory through unrelenting dedication to the research, development, and mass production of advanced rechargeable battery technologies, specifically Lithium Polymer (Li-Polymer).

PKCELL stands out as an innovative company, with focus on precision, quality, and adaptability as its cornerstones of strength. Based in Shenzhen City, Guangdong Province, China, PKCELL operates an advanced, 3,000-square-meter professional production workshop. With approximately 520 staff members currently employed at the factory, it boasts an impressive monthly production capacity of 500,000 pieces—demonstrating its ability to serve a global clientele. Operational efficiency is supported by a dynamic corporate culture that emphasizes innovation, responsibility, and customer-centricity. This culture, which places an emphasis on continuous improvement and ethical manufacturing, directly translates into products with improved safety and long-term performance.



Li-Polymer Cells Offer Versatility and Design Freedom

Modern electronics owe their success to advances in energy storage; one of the key innovations has been Lithium-Polymer (Li-Polymer) batteries. This innovation marks an impressive departure from earlier lithium-ion formats, in large part because it employs a semi-solid polymer electrolyte instead of the liquid organic solvent typically found in conventional batteries. This revolutionary change brings numerous advantages for manufacturing and application. Primarily, polymers enable electrode and electrolyte materials to be laminated into flexible foil pouches instead of rigid metal cases, improving both manufacturing processes and end-use applications. Li-Polymer batteries offer exceptional form factor flexibility, meaning their manufacture allows for remarkable adaptability. Li-Polymers can be produced as extremely thin and light batteries suited to fit into virtually any shape, meeting modern device designs more closely than ever before.

Electrolytes with semi-solid properties provide increased safety by minimizing leakage risks and improving stability under certain conditions. This makes them the go-to choice for high-end, portable, and wearable electronics where space, weight, and reliability are top design priorities.

Li-Polymer batteries offer a significant advancement over their standard lithium-ion counterparts. PKCELL has recognized this emerging technology's significance by emphasizing it to address an essential industry need: power solutions that do not dictate design but instead adapt to it, giving device manufacturers unparalleled freedom when designing products.

Unrivaled Expertise and Global Reach: Why Choose PKCELL

PKCELL stands apart as a trusted power solutions provider by virtue of two decades of dedicated effort and industry specialization. Focused exclusively on lithium battery technology for over 18 years, the company has amassed extensive expertise in electrochemistry and battery integration that forms the bedrock of its operational excellence. Furthermore, PKCELL products reach over 85 countries and regions globally, further strengthening its international presence.

The company offers a broad selection of Li-Polymer batteries designed to meet specific application needs, from standard cells to low-temperature batteries. The standard capacity range starts with micro-cells from 30mAh up to 200mAh, before scaling through intermediate sizes such as 200mAh–500mAh and 500mAh–1,000mAh for higher-power or extended-run applications. PKCELL also provides packs up to 5,000mAh that offer tailored power solutions for everything from wearable devices to industrial machinery.

Tailored Power: The Advantage of OEM/ODM Customization

PKCELL stands out as a key provider of OEM/ODM (Original Equipment Manufacturer/Original Design Manufacturer) services that go far beyond standard battery packs. Recognizing that standard solutions rarely fit complex modern devices, the company leverages its professional R&D team and robust manufacturing facilities to customize battery packs according to each client's application. This includes tailoring capacity, voltage, size, integrated protection circuitry, and thermal management requirements—creating battery systems designed specifically for

client applications with optimal performance and longevity in mind.

Committed to Quality and Diverse Market Applications

International Certifications

PKCELL stands by its commitment to quality, as evidenced by stringent international certifications. Its ISO9001 management system ensures consistency and reliability across manufacturing processes, while its main products carry essential safety certifications such as IEC62133, CE, SGS, and UN38.3. These credentials serve as vital assurance for international clients that PKCELL's batteries meet all safety standards when transported, stored, or operated. PKCELL provides more than just Li-Polymer batteries; its comprehensive portfolio of power solutions includes rechargeable Ni-MH/Ni-Cd and Ni-Zn batteries and chargers to meet every power requirement and application constraint around the world.

PKCELL Batteries Are Powering the Future

The sheer variety of applications for PKCELL's batteries highlights their adaptability and dependability, serving a diverse set of B2B and consumer products across several high-growth market sectors:

Communication and Tracking: Powering GPS/Tracking systems, GSM modems, and devices requiring continuous wireless connectivity.

Point-of-Sale/Scanning: Crucial for mobile efficiency in barcode scanners and POS terminals.

Personal and Lifestyle Devices: Facilitating modern devices like Bluetooth keyboards, e-cigarettes, power banks, and various toys.

Industrial Safety and Security: Delivering reliable power for alarm and security systems, mining equipment, and tax machines.

Specialized and Medical Electronics: Critical power sources for automotive electronics, portable devices, and sensitive medical equipment.

Forward Vision: Shaping the Portable Energy Landscape

Looking ahead, Shenzhen PKCELL Battery Co., Ltd. is ready to build on its momentum of growth by emphasizing greater energy density and enhanced safety features in its Li-Polymer battery line. As more consumers turn toward electric mobility, smart infrastructure, and interconnected devices for daily needs, PKCELL is poised to meet those demands with sophisticated rechargeable batteries backed by stringent quality controls and customer-focused services that help define tomorrow's portable energy landscape.

For more details on its entire range of products, technical specifications, and corporate vision, please visit the official website at: <http://battery.pkcell.com/>

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