

Why UL & UN38.3 Matter When Selecting a Wholesale BESS Battery Supplier for Global Importers

YICHUN, JIANGXI, CHINA, January 14, 2026 /EINPresswire.com/ -- The global shift to renewable energy is expected to reach a fever pitch by 2025. As a result, demand for high-capacity Battery Energy Storage Systems has evolved beyond basic availability and regulatory compliance toward strict safety, certification, and risk management standards. For international procurement managers, navigating the complex landscape of global safety regulations has become a high-risk challenge, where a single oversight can result in uninsurable or rejected projects. In this environment, Yichun Dawnice Manufacture and Trade Co., Ltd. has emerged as a trusted [Wholesale BESS Battery Supplier for Global Importers](#), bridging China's advanced manufacturing capabilities with the stringent technical and regulatory requirements of international markets. Leveraging its strategic position in the "Lithium Capital of Asia," Dawnice delivers not only high-performance energy storage hardware, but also a comprehensive "safety passport"—ensuring smooth customs clearance, grid compliance, and long-term project bankability worldwide.



The Regulatory Gatekeepers - The Role of UL & UN38.3

Certifications are not just technical documents for global importers; they also form the basis of "bankability" (operational legality) and "bankability". BESSs that do not have the right seals of approval are not legal to install in many jurisdictions and, more importantly, they cannot be transported safely across oceans.

Why [UL Certification](#) Is Essential

The UL (Underwriters Laboratories) standards--particularly UL 1973 for stationary batteries and UL 9540 for the integrated system--are the gold standards for safety in North America and an increasing number of global markets. UL certification is proof that a battery was subjected to rigorous abuse tests, such as overcharge, thermal runaway, and short-circuit evaluations. A wholesale importer can minimize their liability by sourcing UL certified batteries from a company like Dawnice. A product could be banned from the market and any insurance claims made for industrial sites may be denied if they do not have these certifications.

UN38.3: Mandatory nature

UN38.3 certifies the battery for its safety in the field, while UL certifies it during the operational phase. UN38.3 certification for lithium batteries is required by law as they are classified as dangerous goods. This includes air, sea and land transportation. The certification involves a series of tests, including altitude simulations, vibrations, and impacts, to ensure that the unit will not rupture or ignite in the high-pressure environment associated with international shipping. A valid UN38.3 is what makes the difference for global importers between a smooth customs clearance or costly port delays and cargo seizures.

A Comprehensive Compliance Portfolio for Global Trade

Top-tier wholesale suppliers must have a wide range of certifications in order to comply with the different legal frameworks across regions. Dawnice's commitment is reflected in its extensive list of safety and performance credentials.

The company holds IEC 60056 (CB),, and IEC 60356, certifications. These are the leading international standards for stationary and industrial lithium-ion battery storage systems. These standards are aimed at reducing risks, such as thermal runaway, and ensuring system safety. Dawnice also offers IEC62477-1 to ensure power electronic safety and CE-EMC for electromagnetic compatibility on European markets.

Besides electrical safety, outdoor cabinets are also rated for physical resilience through IEC 60529 ratings. This ensures that they can withstand the environmental stresses. Each shipment comes with a comprehensive Material Safety Data Sheet and Certificate of Conformity, which provide importers the complete set of documentation needed for legal market entry. Dawnice's robust compliance ecosystem allows for the immediate deployment of products in diverse B2B scenarios. These include residential microgrids and large-scale industrial peak shaving units.

Leveraging the "Lithium Capital of Asia"

Yichun Dawnice Manufacture and Trade Co. Ltd. was founded in 2021 and is a global leader of energy storage batteries and integrated energy storage solutions. Dawnice is headquartered in Yichun Jiangxi, known globally as the "Lithium Capital of Asia". The company fully leverages this region's entire lithium industrial chain. Dawnice has access to a unique upstream resource, as

the city produces about one-third of China's lithium carbonate. The company can build a strong R&D team that has over 14 years of experience within the lithium battery industry. This allows them to ensure every cell in their BESS cabinet meets the highest standards for energy density and cycle time.

Dawnice, based on this solid foundation, has developed an energy storage ecosystem that includes residential energy storage and commercial & industrial energy storage. Their 100kWh and \$200kWh storage cabinets have been designed to be robust and scalable, providing high-performance solutions for customers around the world.

Driving the Global Transition: "NO ENERGY WASTE"

Dawnice, in response to the global energy transition that is accelerating, has opened more than 30 service centers in 150+ countries and areas. This extensive network provides over 30 000 users with highly reliable, durable and high-performance batteries, along with full-life-cycle technical assistance. Dawnice is a partner to global importers from the initial project design through on-site installation and maintenance.

Our mission "NO ENERGY WASTAGE" guides Dawnice in its commitment to drive the wide-scale deployments of clean energy technologies. Dawnice empowers households and businesses to achieve energy independence and sustainability by providing wholesale batteries that comply with the strictest international safety standards, including UL and UN38.3, as well as the IEC suite. Dawnice is committed to providing reliable, certified infrastructure to help the world reach its net zero goals. Global energy storage shipments will increase by 50% by 2025.

For more information on wholesale BESS solutions and full certification documentation, please visit: <https://www.energydawnice.com>

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