

What Makes Expion360 the Best Choice in Lithium batteries?



6x Life Cycle

Six fold the lifetime of your battery investment.



6x Discharge Power

Power bigger appliances and more of them.



65% Lighter

Lighten your load to improve handling and mpg.



Designed and Engineered in America — We design and oversee all aspects of our lithium batteries with special attention to the smallest of details. Expion360 is the right choice where quality meets price.

Lithium Cells — We source only the highest-grade lithium cells in the world for unparalleled reliability. All lithium cells used in production are fully listed and meet UL1642 standard (UL File #MH64383).

Box Design — From concept to commodity, our usage of color and texture are a hallmark of our innovative box design that completely changes the scope of the industry. The X, Y & Z axis within the interior space are structurally secured with molded ribs rather than foam filler that is found in most of our competitors. We only use the highest-grade ABS plastics and infuse 10% glass fill into our military-grade battery case that meet UL-94 VO for fire retardant rating. First in the industry to have rubber feet built-in on every battery box, this feature aides in the elimination of vibration and sliding issues. Radiused corners heighten the appearance and strengthen the edges for a sleek and sophisticated profile. Polarity Pads — Our oversized polarity pads are 96.7% larger than a standard terminal. This forward-thinking design increases the strength and structural integrity by allowing better heat dissipation and a 19% increase in current carrying capacity. Opposing polarity pads aid in mounting flexibility and cross polarity dangers.

Cell Pack — We have eliminated nearly all solder points within our interior pack design. Because mechanical connections are the most efficient way to transfer power and reduce resistance and heat buildup, all cells are securely welded via thick copper/tin machined collector plates. The collector plates in our design are thicker than the industry norm and press broke at each end to create a mechanical backbone to connect to the BMS substrate. High-grade wire, ring terminals, and heat shrink are generously used throughout the interior. All terminal connections are treated with an industrial epoxy for long-lasting corrosion protection and locked-in durability.

BMS (Battery Management System) — “Smart” is at the heart of our BMS design with an abundance of features. For the cold weather enthusiast, we have built in a low-temp discharge and charge auto-shutoff. Low and high voltage cutouts, short circuit protection, and overcurrent disconnect are also managed by our intelligent BMS. While others may overlook the safety importance of structurally securing the BMS board, our process incorporates a bolted design that creates one cohesive pack. The addition of terminal connections and an oversized heatsink increase the reliability of our BMS to give years of trouble-free performance.

Customer Service — Top tier support is what you can expect. Our live US based industry experts are available M-F 8-5 PST. Our associates are trained in lithium technology and the integration required to make a system operate at peak performance.

Warranty — We are so confident with our designs and construction techniques that we have backed our batteries with an industry-leading, 12-year warranty!