



BATTERY MANAGEMENT SOLUTIONS



The ZEUS engineering team creates the optimal layout of battery management circuitry. Based on the customer's specific battery management, safety requirements, and control circuits, we offer a variety of options that enhance the capabilities of your portable energy system. We become the design partner for customers, helping make their product more efficient to produce and more effective with longer lasting power.

Some battery packs are installed inside the product, and only require a shrink wrap enclosure. Others may be mounted externally and may serve a mechanical function, such as a base for a product. Our team has experience in designing battery enclosures of all types that enhance the functional design of the customer's product while assuring the battery passes the required protection functions, such as drop test, as well as environmental testing required to certify the pack for shipment.

✓ PROTOTYPING & MANUFACTURING

Ensures each prototype is tested to the customer's specific criteria before manufacturing in volume at our assembly center in the U.S. If volume dictates, we utilize our manufacturing and partnerships in Asia.

✓ CUSTOM CHARGER DEVELOPMENT

The optimal charger will not only improve your pack performance, but will assure the useful life of the battery is maximized. We deliver custom chargers that are efficient and safely charge your battery to full capacity and terminate charge at the appropriate time to enhance the life of your battery pack.

✓ PRODUCT INTRODUCTION

We assist with agency approvals of battery packs and chargers, conducting UNDOT 38.3 testing for lithium battery designs and supply initial prototype of battery packs.

✓ QUALITY

Product quality and reliability are paramount in the design and manufacture of battery packs and chargers. ZEUS and its partners are ISO9001 certified. In addition to consistently building defect-free products, our engineering team enhances the reliability of our products through better design.

✓ EXPERIENCE

Our experienced application & engineering team draws upon its collective knowledge base that has been developed through years of working relationships with hundreds of customers.

✓ CELL SELECTION

Selecting the proper cell and cell chemistry significantly impacts the performance, size, cost, and the ultimate success of a portable device. ZEUS offers a unique ability to provide its customers access to the best and most efficient cell technologies in the world. ZEUS has in-depth specification information and knowledge of the strength of each cell that it recommends.