Press Release
9th Jan, 2024

Mic-power Ready to Play Pivotal Role in Sweeping EU Legislation Regarding Replaceability of Portable Batteries

Pre-tested PACK solutions and off shelf rechargeable battery cells can save countless hours of design work for companies who must comply with EU 2023/1542

CES Booth #9063 North Hall

January 9, 2024 – Mic-power, a top manufacturer of rechargeable pouch, coin cell and cylindrical batteries and pack solutions, has announced the immediate availability of new pack designs and battery cell models that can help manufacturers of portable devices comply with recent landmark legislation passed in the EU.

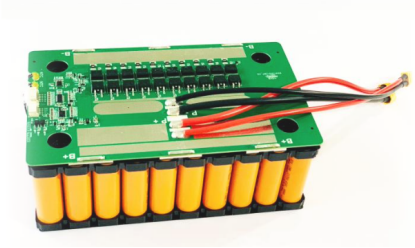
Batteries Regulation 2023/1452, passed in July 2023, covers new requirements for manufacturing, design, labeling, collection, and recycling throughout the lifecycle of rechargeable products. The impact on companies, particularly those who rely on a pouch cell for power, will affect many areas, but design is most impacted.

Jason Chen, CEO of Mic-power, said, “Customers are grappling with how to meet new replaceable EU battery requirements. We have worked hard to bring a suitable portfolio of rechargeable battery cell designs and a range of options to those designers seeking to prepare now for future regulations. It’s gratifying to be in a position to help our customers leapfrog design complexities and build best of breed devices.”

To be in compliance, products must feature batteries that can be replaced by end users using ordinary tools. Faced with the prospect of a complete redesign and fast approaching deadlines to design an EU-compliant product alternative, battery pack designers can make direct use of the technical treatments Mic-power has devised.

The pre-validated designs are backed by years of expertise Mic-power has amassed from having assisted designers in delivering pack offerings. Mic-power also offers a wide range of metal housing battery cells. Such cells could be easily adopted in compliant designs.

Shown here: Mic-power's size 11390 size solid electrolyte battery.



Mic-power's battery pack designs and battery cells include the following solutions:

- Cell-only with various holders (wires, tabs) attached
- Cells with connectors attached
- Cells with additional housing and custom connectors
- Multiple cylindrical battery packs (for instance, 18650 or 21700 size).

All configurations can be outfitted with a Battery management System (BMS), to halt operations outside the battery's safe zone, monitor its state, calculate, and report secondary data and also provide inter-component authentication. Authentication and traceability are important features of this new set of EU regulations and Mic-power solutions can meet these requirements already today.

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About Mic-power

Mic-power is a leading solutions provider of small lithium polymer rechargeable batteries and battery pack solutions used in smart wearable, TWS-class audio devices, consumer electronics products, robot appliances, medical devices, and energy storage systems. Mic-power is a technology-driven company striving to provide the world's most advanced rechargeable batteries. We hold a portfolio of patents for our standard battery models, which include coin cell, cylindrical cell, pin cell, pouch cell, and solid state technology cell batteries. Our fully automated manufacturing infrastructure can produce 500,000 batteries and battery packs per day while ensuring quality through automation and testing. In addition to our high-capacity manufacturing infrastructure, we also can help design and quickly produce sample batteries in small quantities for prototyping.

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