



**CRG Defense**

*Doing Defense Differently™*



# Advanced Battery Cells and Packs

**Manufactured in the USA | ITAR-Registered | NDAA-Compliant**

CRG Defense delivers advanced battery cells and integrated battery pack solutions engineered for defense, aerospace, and government platforms. Our end-to-end capabilities combine high-performance cell chemistries, U.S.-based cell manufacturing and battery pack assembly, and full battery pack engineering to provide reliable, safe, and compliant power for the most demanding operational environments. Supported mission sets include unmanned systems, soldier-worn power and tactical communications, directed energy systems, and munitions and expendable platforms.



## Mission-ready solutions that meet performance, safety, and compliance requirements:

- **Domestic Manufacturing:** Manufactured in the U.S. with greater than 95% non-FEOC content, supporting NDAA and FCC compliance and resilient supply chains.
- **Performance in Extreme Environments:** Designed to operate at temperatures down to -40°C without compromising safety or reliability.
- **Safety & Survivability:** Incorporate proprietary nonflammable electrolytes with demonstrated tolerance to mechanical abuse and ballistic impact, reducing fire risk.
- **Rapid Transition & Integration:** In-house cell manufacturing and battery pack engineering support rapid prototyping, customization, and production.

## Domestic Battery Pack Engineering

- In-house battery pack development with COTS or custom cells
- Battery management systems, thermal management, and mechanical integration
- Designs supporting soldier-worn systems, UAS, directed energy, and munitions

## Battery Cell Portfolio

- **G Series:** Graphite-anode rechargeable cells
- **L Series:** Li-metal-anode rechargeable cells
- **P Series:** Primary cells for munitions and attritable systems

Attribute	G Series	L Series	P Series
Cell Type	Rechargeable	Rechargeable	Primary (Non-rechargeable)
Anode	Graphite	Lithium Metal	Lithium Metal
Energy Density	180–240 Wh/kg	310–400 Wh/kg	Up to 450 Wh/kg
Discharge Rate	Up to 20C	Up to 20C	Up to 5C
Minimum Operating Temperature	-30°C	-40°C	-40°C
Available Features	<b>Nonflammable electrolyte</b>	<b>Extreme low temperature performance</b>	20-year shelf life, <b>Extreme low temperature performance</b>
Typical Use	Vehicle power, small UAS, soldier-worn, HEL/DE	Long-endurance UAS, arctic, space systems, HEL/DE	Munitions, attritable systems



## Made in America

Designed and manufactured in the USA for compliance and reliability in defense and government operations with more than 95% of value derived from non-FEOC sources.

The appearance of U.S. Department of War visual information does not imply or constitute DOW endorsement.



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