

# DILLON **AERO**

## **BRIC II** Improved Lithium Battery



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### Improved Lithium Battery

Introducing the next generation of Dillon Aero's compact Lithium Battery, incorporating numerous improvements over the prior version.



#### COMPONENTS:

- ROUNDS: 16,000 - 20,000 (per charge)
- CAPACITY: 10 Amp-Hour (42% increase)
- PEAK DISCHARGE CURRENT: 400+ Amp (33% increase)
- CONTINUOUS DISCHARGE CURRENT: 100+ Amps (100% increase)
- Advanced internal Battery Management System (BMS) to include charge control, cell balancing, as well as protection against the following conditions:
  - Over-Charge, Over-Discharge, Terminal Short, Over-Current
- BMS components upgraded to improve battery reliability
- Improved Cell Pack Bus design to reduce impedance and minimize voltage droop under high discharge loads
- RS485 Data Bus Output to support advanced battery monitoring/management capabilities in future systems
- Dedicated/Isolated Battery charge input connections
- Internal Heater for Maintenance Performance MILD-COLD to COLD (STANAG CO-C2) conditions
- IP67 Ingress Protection Rating with Environmentally Sealed Electrical Connection
- Internal Discharge Current Limiting - eliminates need for cables with integrated circuit breakers
- Optimized to support electrical loads of the M134D and 503D Gatling guns
- Improved LED Indicator Array displaying more accurate State of Charge (SOC), Battery Warning, or Battery Fault State, LED Indicator Brightness Adjustment/NVG compatible
- Status Button - Illuminates LED Indicator Array for Battery Status / Clears Battery Faults
- Interfaces Mechanically with legacy Dillon Aero Lithium Battery mounting hardware

**Part Number:** DBAT2410

**Cell Chemistry:** LiFePO4

**Nominal Voltage:** 25.6 V DC

**Charge Input Voltage Range:** 12-48 VDC

**Operation Temp Range:** -30C to 60C

**Storage Temp Range(Static,Non-Charging):** -40C to 70C

**Weight:** 11 LB (5kg)

#### Qualifications:

- UN 38.3 Transporter Testing
- MIL-STD-810 Environmental, Methods 506,509,510,512,516
- MIL-STD-461 Electromagnetic Interference Control



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