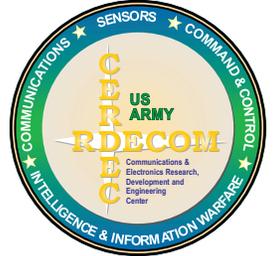




## SOLDIER CONFORMAL BATTERY | NSRDEC, CERDEC, ARL

- A thin profiled battery design which matches the contour of standard ballistic plates.
- Increases Soldier mobility and agility in theater without sacrificing power to critical Soldier-worn electronics.
- Reduces bulk on a Soldiers' vests, increases soldiers' open surface area for other equipment and ammunition.
- Offers better distribution of weight around the Soldier's core, allowing easier execution of typical ground combat maneuvers and faster entry and egress through buildings and vehicles.
- Potentially powers Soldier-carried communications equipment.



### WHY IS IT NEEDED?

Although a significant power source, the brick-like Li-145 battery has a size and shape that stands out on the Soldier kit, reducing mobility with minimal accessibility.

### SOLDIER PAYOFF:

To unburden Soldiers' load and enhance the physical performance of the Soldier. The Soldier Conformal Battery will not inhibit movement and will allow Soldiers to access it in front or size plate pouches. It is the first example of Soldier-worn batteries adapting to the body for uninhibited movement.

### PERFORMANCE FEATURES:

- Capacities of 110-180 Wh (~2-3x the power of standard 60Wh MBITR batteries)
- Weights of 1.9-2.8 lbs.
- Cell types: Lithium-Ion Polymer
- Voltage range: 10-16.8 Volts over use cycle

### POINT OF CONTACT:

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