



SOLDIER POWER MANAGER | NSRDEC, CERDEC, ARL

- A lightweight Soldier-worn power integration system.
- Allows Soldiers to power multiple loads from multiple battery sources.
- Scavenger port consolidates power from AC/DC wall adapters, solar blankets, fuel cells, and other partially used batteries to power or recharge radios, computers and GPS devices.
- Automatic configuration uses smart cables to minimize user involvement by instantly adapting incoming and outgoing power.
- Screen version visually gives the user important information like remaining battery life.
- Screen-less version gives LED feedback such as state of charge.



WHY IS IT NEEDED?

Soldiers carry several sizes and types of batteries to power the growing number of electronics on the battlefield. There is a need for a single consolidated, easily managed energy grid is needed so that Soldiers can focus on the mission, not on their electronics.

SOLDIER PAYOFF:

The SPM unburdens Soldiers by consolidating power and reducing the amount of batteries carried. A single power source can power several electronics or recharge batteries on the move. Using pre-programmed cables with standardized adapters, the Soldier can plug in devices on the go, easily switching from one power source to another.

POINT OF CONTACT:

Technology, Systems and Program Integration Directorate

Phone: (508) 233-5657, DSN 256-5657

E-Mail: nati-rdns-tsb@us.army.mil



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