

▶ **RECORD & TRACK
BATTERY PERFORMANCE**

Intellicell™ tracks and records problematic conditions in its memory for extraction at a later date to be used for warranty or service purposes. The capture of this data allows a more informed decision when applying warranty guidelines. This data would include causes of battery failure such as deep discharge conditions and alternator failure.



▶ **INTELLICELL™ BENEFITS**

Improves personal safety and security by eliminating “dead” battery conditions

Reduces costly emergency service calls

Minimizes the need for jumpstarts by providing a dual battery system

Provides 24/7/365 starting performance

Communicates with car driver and/or network operations center prior to failure

Replaces the existing battery without vehicle modifications

Includes “power-off” switch for vehicle storage

Incorporates charge balancing to maximize battery life

Worldwide patents pending

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INTELLICELL™

THE NEXT GENERATION OF BATTERY TECHNOLOGY

DUAL BATTERY
FUNCTIONALITY

AUTOMATED SYSTEM
SWITCHING

DEFAULT SWITCHING



WORLDWIDE
PATENTS PENDING

CHARGE BALANCING
SYSTEM

COMMUNICATIONS
CAPABILITIES

RECORD & TRACK
BATTERY PERFORMANCE



INTELLICELL™ IS DESIGNED TO BE PRODUCED IN EXISTING GROUP SIZES. IT IS ALSO ENGINEERED TO MEET THE PERFORMANCE CHARACTERISTICS OF CURRENT GENERATION BATTERIES.



INTELLICELL™

Reserve Power Cell's revolutionary new battery, Intellicell™, is an intelligent dual-battery system. Created for consumer

peace of mind, Intellicell™ incorporates a reserve battery for the main battery. Both batteries are then managed by a state-of-the-art electronics package. With battery failure the top reason for all service calls, the safety and security benefits of Intellicell™ are readily apparent. Intellicell™ ensures that dead battery situations never leave you stranded again. Reserve Power Cell has developed the following innovations.

INTELLICELL™ INNOVATIONS

▶ DUAL BATTERY FUNCTIONALITY

Intellicell™ combines two separate batteries into the same space as a current car battery, serving as a direct replacement. It contains an isolated reserve battery that can power the car in case the main battery fails. The integrity of the reserve battery is maintained at all times to ensure starting performance. Intellicell's™ design is unique in the way its main and reserve battery cell structures are isolated both physically and electrically.

▶ AUTOMATED SYSTEM SWITCHING

Intellicell's™ microprocessor electronics package monitors the electrical flow and automatically switches power to the reserve cell if warranted. The microprocessor-based power management system allows Intellicell™ to recognize a high accessory load. When the main battery reaches a certain depth of discharge it switches to the reserve battery. This gives the main battery time to simultaneously recharge without power interruption.

▶ DEFAULT SWITCHING

Intellicell™ has a default switching system. In the event of thermal runaway due to overcharging or overcurrent the battery will always protect itself. No matter what type of problem you may have, a dead main battery or faulty alternator, Intellicell™ will always isolate and protect the reserve battery until it is activated.

▶ CHARGE BALANCING SYSTEM

Intellicell™ includes a charge balancing system, ensuring both batteries are always maintained at a healthy SOC. Intellicell's™ on-board charge balancing system provides increased battery life by preventing deep discharge conditions. This will ultimately provide the battery manufacturer and distributor with a reduction in warranty claims.

▶ COMMUNICATIONS CAPABILITIES

From the most basic analog output or network connections data port, Intellicell™ can be incorporated into the vehicle's CAN or LIN network. This can provide accurate real-time data to the vehicle's driver. Intellicell™ was designed to meet global industry standards for keyword protocols and will be compatible with the new on-board diagnostics II system. (O.B.D. II)

Intellicell™ was created to communicate battery performance data out of the vehicle. The vehicle's on-board communications system can transmit battery data via RF, cellular or satellite to a network operations center. This allows for monitoring and/or command and control of problematic conditions.

