

Li-Ion Battery Management



Key Features

- **Active balancing** — Atmel's battery management is the industry's first solution that features active cell balancing for high cell count Li-ion batteries to prevent energy loss.
- **Maximum safety** — Highest accuracy due to simultaneous cell voltage measurement of the cells in the entire battery stack leading to precise state-of-charge and state-of health calculation.
- **Valuable development tools** — Atmel's PC-controlled development kits help you easily build your battery management system and get the most of the battery management devices.

Li-Ion Battery Management Devices

Device Family	Summary Benefit	Applications	Technologies	Key Parameters
<u>Li-Ion Battery Management</u>	Extended range for electrical vehicles at lower cost Reduced fuel consumption and CO2 emissions for hybrid vehicles	Li-Ion battery management Replacement of 12V standard lead-acid batteries	Active cell balancing Simultaneous cell voltage measurement	High-current active cell balancing High-accuracy analog measurement functions

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