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Essentially, a rechargeable battery pack's "brain" is its Battery Management System (BMS). To ensure the battery runs safely and effectively, it is responsible for protecting, monitoring, and ...

Its core task is real-time monitoring, intelligent regulation, and safety protection to ensure that the battery operates at its optimal state, extend its lifespan, and prevent accidents ...

BMS battery pack capacity management, where cell-to-cell balancing is employed to equalize the SOC of adjacent cells across the pack assembly, allows optimum battery capacity to be realized.

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