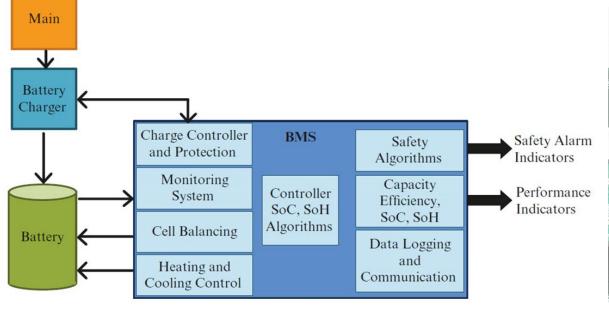
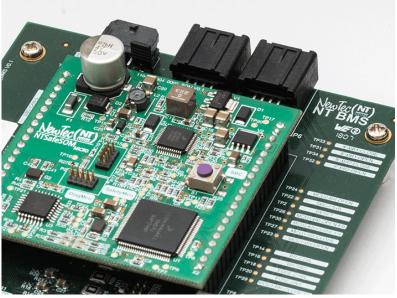
Implementation of IMM in Battery Management System

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What IS the BMS?

The Battery Management System (BMS) ensures the safe and reliable operation of a battery pack by monitoring, predicting, and protecting against potential faults or dangerous trends in the system. It accomplishes this by processing information from monitoring sensors and communicating with other components of the vehicle.



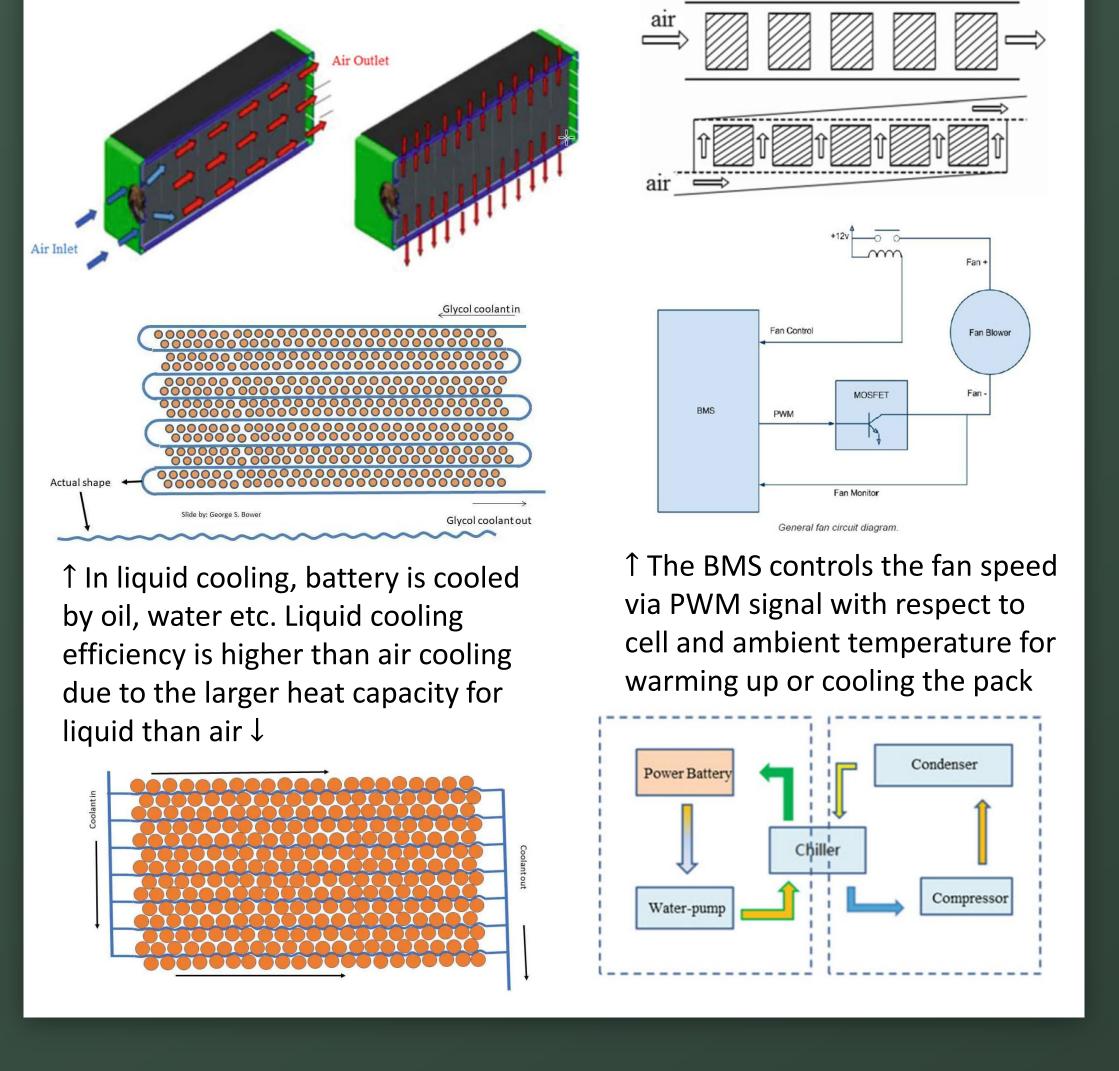


In general, there are different types of BMS: microprocessor-driven, microcontroller-operated, PLC-controlled, and LabVIEW-powered

Efficiency, lifespan, and safety are enhanced by the battery management system: adjusts cutoff voltage and charging current, regulates SoC range, balances cells, and controls temperature for optimized battery performance.

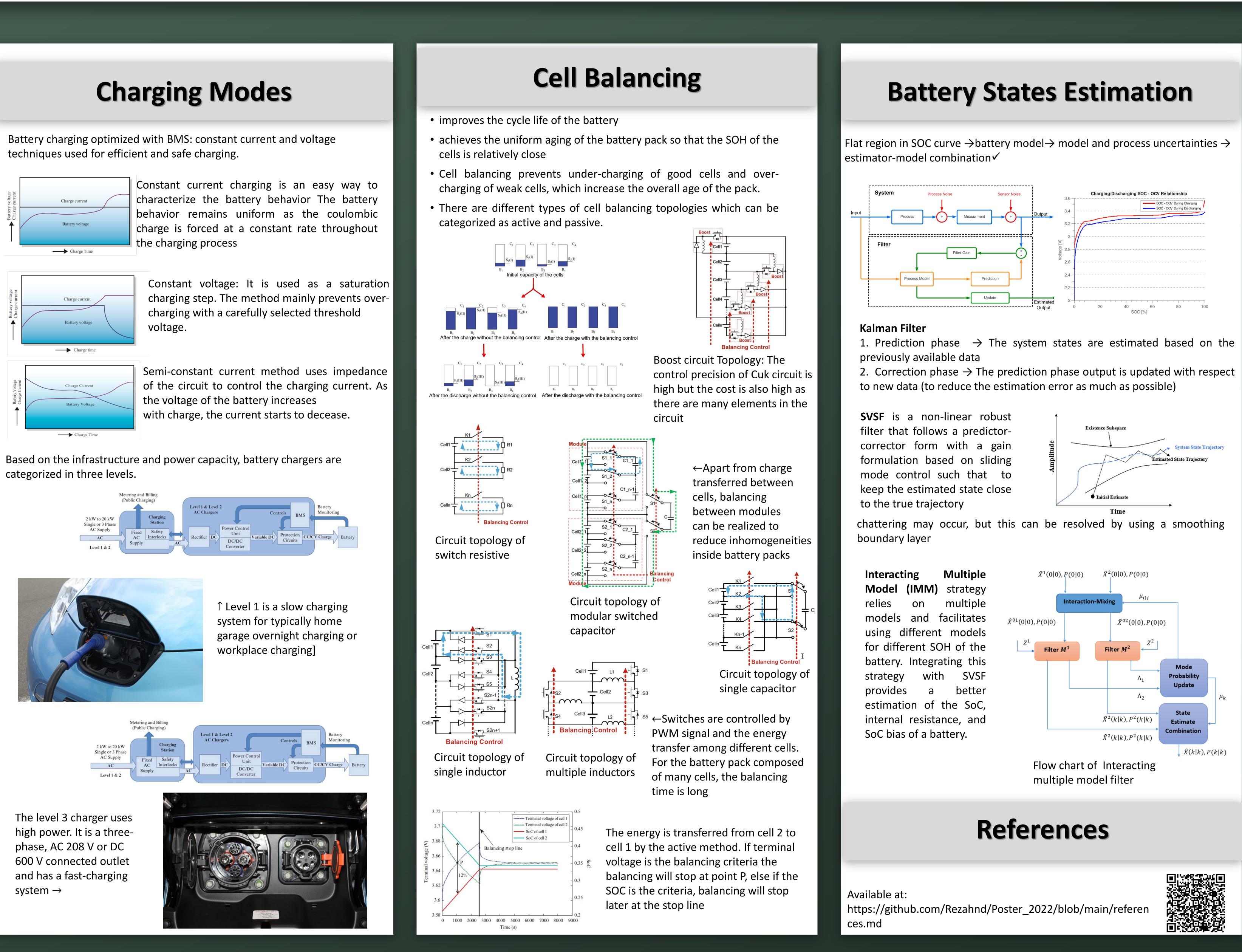
Thermal control

There are air cooling, liquid cooling and cooling using PCM. Air cooling and liquid cooling are commonly applied.

















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