



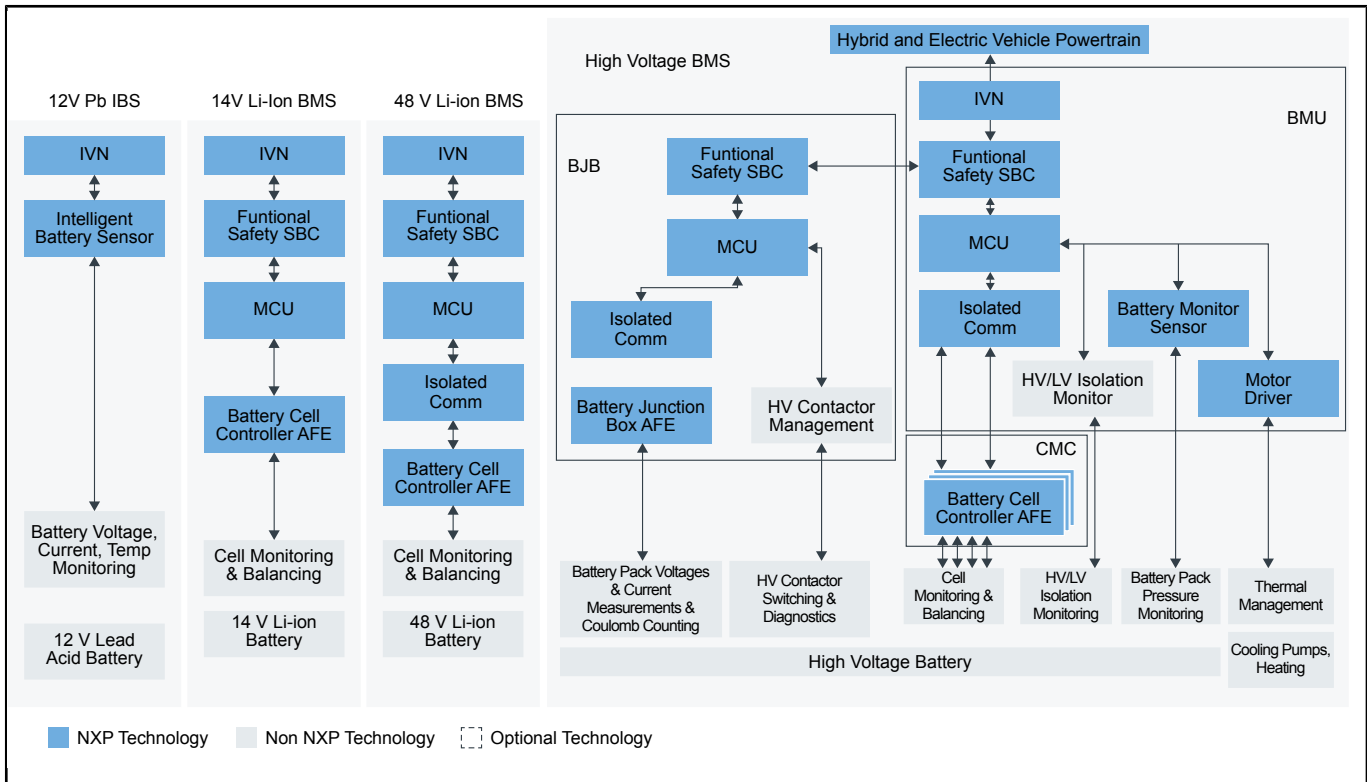
# Battery Management System (BMS)

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NXP's scalable battery management system (BMS) can be used in industrial or automotive applications. The BMS offers high measurement accuracy after soldering and aging and ISO 26262 support up to ASIL D functional safety capability.

The solution is a robust and safe, BOM-optimized option that combines BMS, junction box monitoring solutions with high-performance processors and integrated analog front end solutions.

## Battery management system Block Diagram



### Recommended Products for Battery management system

Motor Drivers	<ul style="list-style-type: none"> <li>• <a href="#">MC33937</a>: 3-Phase Field Effect Transistor Pre-Driver</li> </ul>
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	<ul style="list-style-type: none"> <li>• <a href="#">GD3100</a>: Advanced High Voltage Isolated Gate Driver for IGBT and SiC MOSFETs</li> <li>• <a href="#">GD3160</a>: Advanced High Voltage Isolated Gate Driver with Segmented Drive for SiC MOSFETs</li> <li>• <a href="#">HB2000</a>: SPI Programmable 10 A H-Bridge Brushed DC Motor Driver</li> <li>• <a href="#">HB2001</a>: SPI Programmable 10 A H-Bridge Brushed DC Motor Driver</li> </ul>
In-Vehicle Networking & Gateway	<ul style="list-style-type: none"> <li>• <a href="#">Gateway</a>: Gateway</li> <li>• <a href="#">CAN Transceivers</a>: CAN Transceivers</li> </ul>
HEV/EV Application	<ul style="list-style-type: none"> <li>• <a href="#">Hybrid Electric Vehicle (HEV) Applications</a>: Hybrid Electric Vehicle (HEV) Applications</li> </ul>
Safety SBC	<ul style="list-style-type: none"> <li>• <a href="#">FS6500</a>: Grade 1 and Grade 0 Safety Power System Basis Chip with CAN Flexible Data Transceiver</li> <li>• <a href="#">FS4500</a>: Grade 1 and Grade 0 Safety Power System Basis Chip with CAN Flexible Data Transceiver</li> <li>• <a href="#">FS26</a>: Safety System Basis Chip with Low Power Fit for ASIL D</li> </ul>
NFC	<ul style="list-style-type: none"> <li>• <a href="#">NCx3320</a>: Automotive-Grade NFC Frontend IC</li> <li>• <a href="#">NCx3310</a>: NFC Forum-Compliant Tag IC with I<sup>2</sup>C for Automotive</li> </ul>

View our complete solution for [Battery Management System \(BMS\)](#).

**Note:** The information on this document is subject to change without notice.

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