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Title: BMS battery management system programming

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BMS programming provides estimations of the battery characteristics and ensures its operational stability. Writing reliable software is challenging, especially in the context of ...

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Figure 1: BMS Architecture The AFE provides the MCU and fuel gauge with voltage, temperature, and current readings from the battery. Since the AFE is physically closest to the battery, it is ...

This paper discusses the implementation of a BMS using an Arduino, which is practically feasible being one of the inexpensive and reprogrammable microcontroller platforms.

This article provides a beginner's guide to the battery management system (BMS) architecture, discusses the major functional blocks, and explains the importance of each block to the battery ...

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