



# Battery Management Systems for Large Lithium Ion Battery Packs

By Davide Andrea

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## Battery Management Systems for Large Lithium Ion Battery Packs By Davide Andrea

A battery management system (BMS) is any electronic device that manages a rechargeable battery pack. The BMS monitors the battery pack's state, calculates secondary data, offers protection, and controls its environment. This timely book provides a solid understanding of battery management systems (BMS) in large Li-Ion battery packs, describing the important technical challenges in this field and exploring the most effective solutions. Professionals find in-depth discussions on BMS topologies, functions, and complexities, helping them determine which permutation is right for their application. Packed with numerous graphics, tables, and images, the book explains the 'whys' and 'hows' of Li-Ion BMS design, installation, configuration and troubleshooting. This hands-on resource includes an unbiased description and comparison of all the off-the-shelf Li-Ion BMSs available today. Moreover, it explains how using the correct one for a given application can help to get a Li-Ion pack up and running in little time at low cost.

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