

## ContainerPower Energy Solutions

# Northern Cyprus lithium battery bms



## Overview

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What is a battery management system (BMS)?

Voltaplex is proud to design and manufacture battery management systems (BMS) that optimize lithium-ion battery packs' safety, reliability, and performance. We engineer our solutions for seamless integration across various industries, including robotics, automotive, and medical devices.

Does a lithium-ion battery management system cut it?

Lithium-ion applications come with pretty unique electrical demands. That's why a one-size-fits-all battery management system simply won't cut it. Voltaplex offers tailored BMS design services that align with your product's power requirements, space constraints, and industry-specific compliance needs.

Which N-BMS products are compatible with Lithium Balance?

LiTHIUM BALANCE provides tailor-made cell monitoring and temperature wire harnesses for all n-BMS products with 12 voltage channel CMUs. A range of standard-length interconnecting cables and wires are also available for the n-BMS products with 12 voltage channel CMUs. The connection cables are based on IsoSPI protocol.

What is inside a voltaplex BMS battery management system?

Inside every Voltaplex BMS battery management system is a purpose-built core. This core contains microcontrollers, precision voltage sensors, temperature monitors, balancing circuits, and communication protocols tailored to you and your industry's needs.

Can a Hal sensor fit a N-BMS battery system?

The HAL sensor can be selected to fit almost any application specific currents as well. For battery systems, a further safety layer is configured using fuses. LiTHIUM BALANCE offers several fuses with ratings relevant for large format

batteries. For all n-BMS products a range of standard, robust relays are offered.

Should you use a battery management system?

When you need a BMS design that you can count on – no matter how demanding the application – Voltaplex’s battery management system ought to be your go-to choice. Lithium-ion applications come with pretty unique electrical demands. That’s why a one-size-fits-all battery management system simply won’t cut it.

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