

## Kongres Container

# Tuvalu lithium battery BMS solution



## Overview

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What is a lithium battery management system (BMS)?

A Lithium Battery Management System (BMS) monitors voltage, temperature, and current to prevent overcharging, overheating, and short circuits. By balancing cell voltages and disconnecting faulty cells, it mitigates risks like thermal runaway, ensuring safe operation in electric vehicles, renewable energy storage, and portable electronics.

What are Lithium Balance BMS solutions?

LITHIUM BALANCE BMS solutions include both customized and off-the-shelf battery management systems for an extensive range of lithium battery setups. Find out more about the features and technical details of our off-the-shelf solutions, including datasheets and product presentations about each, by clicking the boxes below.

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.

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.

What is voltaplex BMS?

Industrial Energy Storage: Voltaplex's BMS maintains safety and longevity in backup systems and off-grid power units by monitoring high-capacity lithium-

ion battery management systems with scalable, remote diagnostics.  
Aerospace and Defense: Our BMS design provides rugged, high-reliability power for drones, avionics, and tactical gear.

What makes Voltaplex a good battery management system?

Each system includes embedded protocols that adhere to ISO 26262 and UL standards. Voltaplex has built our reputation on delivering high-performance lithium-ion BMS systems that perform reliability from prototype to production. Inside every Voltaplex BMS battery management system is a purpose-built core.

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### Contact Us

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