



# TI's BMS solar container lithium battery protection IC usage guide

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TS2 on device is pulled low via a BJT whenever a charger is connected. The device will leave shutdown.

Texas Instruments' battery management system (BMS) protection ICs are revolutionizing how we safeguard lithium-ion packs. Think of them as the "smart guardians" preventing thermal runaway in electric vehicles or ...

TI's BQ2970 is a Lithium-ion (Li-ion) and lithium-polymer (Li-Po) advanced single-cell battery protector. Find parameters, ordering and quality information

Our battery management portfolio includes chargers, gauges, monitors and protection ICs that can be used in industrial, automotive and personal electronic applications.

This system design is for a 48-V nominal lithium-ion or lithium-iron phosphate battery management system (BMS) to operate over a range of approximately 36 V to 50 V using 12 to 15 cells depending on the selected ...

This design focuses on battery pack applications for power tools or garden tools and is also an excellent choice for other 5-7-cell applications, such as vacuum cleaner battery pack. The design contains both primary and ...

Description This reference design is a full cell-temperature sensing and high cell-voltage accuracy Lithium-ion (Li-ion), lithium iron phosphate (LiFePO<sub>4</sub>) battery pack (32s). The design monitors each cell voltage, cell ...

Comprehensive guide to BMS for lithium-ion batteries. Learn battery management system functions, safety features, and protection mechanisms in 2025.

Select from TI's Battery management ICs family of devices. Battery management ICs parameters, data sheets, and design resources.



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Watch this video to understand the pros and cons of basic system configurations, including gauges, monitors and primary or secondary protectors while offering examples for different battery types.

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