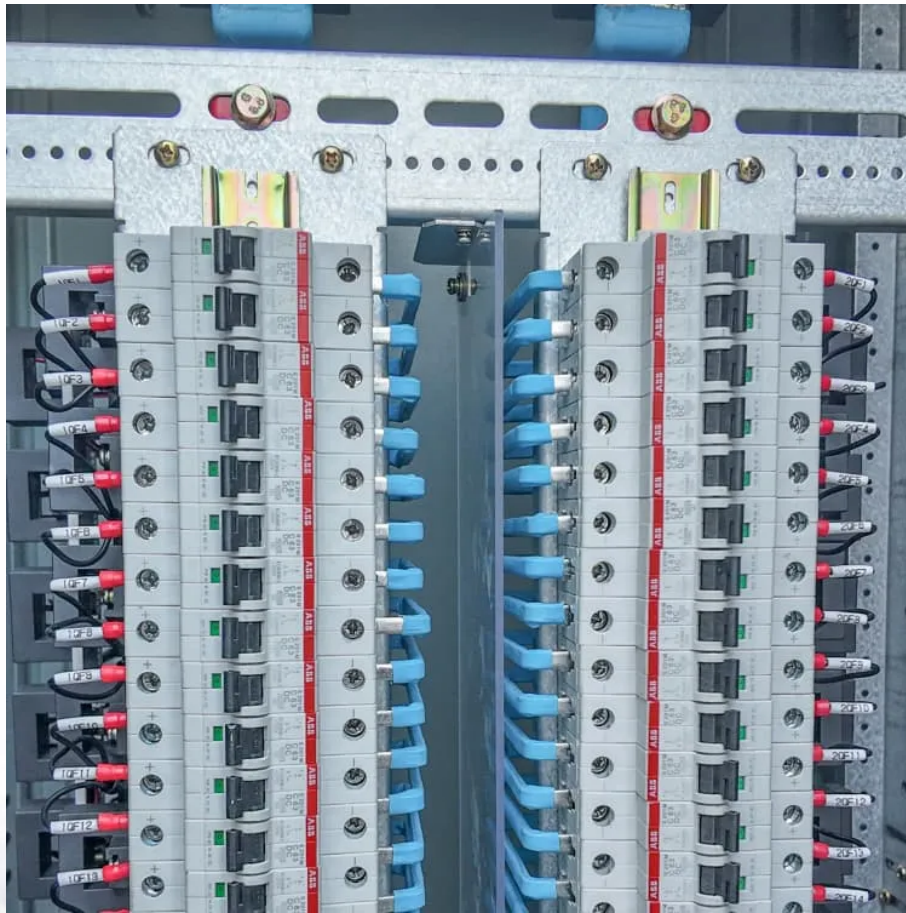


High power 4-series solar container lithium battery pack protection IC





Overview

The bq297xy device provides the protection functions for Li-Ion/Li-Polymer cells, and monitors across the external power FETs for protection due to high charge or discharge currents. What is a lithium-ion battery protection IC?

For general use | For automotive A lithium-ion battery protection IC is an IC that monitors overcharge, overdischarge, and overcurrent to protect lithium-ion batteries, ensuring safe operation. ABLIC has been developing and producing lithium-ion battery protection ICs since 1993, and has a track record of over 30 years in the industry.

Who makes lithium-ion battery protection ICs?

ABLIC has been developing and producing lithium-ion battery protection ICs since 1993, and has a track record of over 30 years in the industry. We offer a diverse lineup of approximately 2,100 battery protection ICs covering a wide range of cell counts, applications and protection functions.

What is a battery protection IC?

Battery protection IC solutions and reference designs that enable easy design-in, ensuring safe charging and discharging and preventing damage.

What types of batteries can a Charger support?

Chargers support the entire USB Type-C® Power Delivery spectrum (20V, 5A) and multicell battery packs. Monitors offer high-accuracy voltage measurements ($\pm 5\text{mV}$ at 25°C) capable of autonomous or host-controlled cell balancing (through I2C, Serial Peripheral Interface or High-Speed Data Queue) for three to 16 cells in series.



High power 4-series solar container lithium battery pack protection

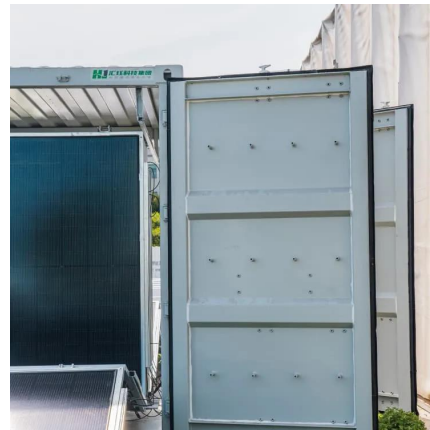


[Battery charger ICs , TI](#)

Oct 27, 2025 · Battery charger ICs Improve battery lifetime, runtime, and charge time using TI battery chargers with high power density, low quiescent current, and fast charge current.

[Battery protection units \(BPU\) , Infineon Technologies](#)

Battery protection IC solutions and reference designs that enable easy design-in, ensuring safe charging and discharging and preventing damage.



[AP9101C Li+ Battery Protection IC](#)

Dec 21, 2015 · Diodes' AP9101C is a protection solution developed for lithium-ion and lithium-polymer rechargeable batteries with a high-precision voltage detection circuit.

[Lithium Ion Battery Protection IC](#)

Shop high-quality lithium ion battery protection ICs for reliable energy storage. Bulk orders and OEM available. Perfect for cell phones and electronics.



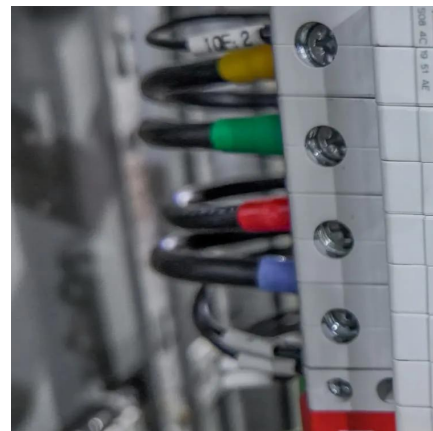
[Protection for Lithium-Ion Batteries , Lithium ...](#)

4 days ago · Lithium-Ion Battery protection IC using high voltage CMOS process for overcharge, overdischarge and overcurrent protection of the ...



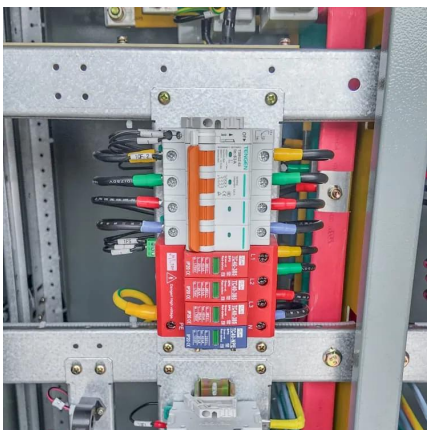
[EC9527A|Protection IC For 1-Cell Battery Pack](#)

Feb 1, 2022 · This protection IC was developed for use with lithium-ion/lithium polymer 1-cell serial batteries. It detects over-charge, over-discharge, discharge over-current and other ...



[SIT8254C-Lithium battery protection IC](#)

3/4 series lithium battery protection series (positive control) SIT8254 series products are ICs used for the protection of 3 or 4 series rechargeable lithium batteries, which can provide high-precision





[Lithium-ion Battery Protection ICs](#)

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[BQ2970 data sheet, product information and support . TI](#)

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[One Cell Lithium-ion/Polymer Battery Protection IC](#)

Oct 11, 2024 · One Cell Lithium-ion/Polymer Battery Protection IC General Description The LN8231 provides a high integration solution for lithium-ion/polymer battery protection. The ...



[One Cell Li-Ion Battery Protection IC](#)

Jul 5, 2023 · General Description The LPB1003 product is a highly integrated solution for Li-Ion battery protection. It includes advanced power MOSFETs, precision voltage detection circuitry ...



[Battery Protection IC Newest Battery Management - Mouser](#)

Battery Protection IC Battery Management are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Battery Protection IC Battery Management.

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[Lithium Ion Cell Protection](#)

Dec 14, 2015 · This article discusses important safety and protection considerations when using a lithium battery, introduces some common ...



[Battery protection units \(BPU\) , Infineon ...](#)

Battery protection IC solutions and reference designs that enable easy design-in, ensuring safe charging and discharging and preventing damage.



[Li-Ion Battery Protection ICs](#)

Feb 22, 2009 · Seiko's S-8211C series protection ICs target single-cell Li-ion/Li-polymer rechargeable batteries. These devices include high-accuracy voltage detectors and delay ...

[S-82K5A Datasheet, Specifications, Parts list ...](#)

Dec 17, 2024 · This IC is used for secondary protection of lithium-ion rechargeable batteries, incorporating high-accuracy voltage detection ...



[Battery protectors , TI](#)

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