

Nov 14, 2023&ensp;&#0183;&ensp;NXP's next-generation battery cell controller with down to 0.8 mV cell measurement accuracy and lifetime design robustness enhances ...

Infineon's AC-DC controller ICs are the ideal choice for cost-optimized and low-BoM battery charging designs with high power density.

1 day ago&ensp;&#0183;&ensp;Power-Sonic delivers innovative battery solutions with sealed lead acid and lithium batteries, energy storage systems, and EV chargers.

Jul 23, 2009&ensp;&#0183;&ensp;INTRODUCTION Demand of fast-discharge rated energy storage sources for Electrical Vehicle (EV), Hybrid Electrical Vehicle HEV) or portable power tools have driven the ...

Jan 1, 2012&ensp;&#0183;&ensp;Supercapacitors, capacitors with up to 100F of charge storage, are emerging as an alternative to batteries in applications where the importance of power delivery trumps that of ...

Mar 27, 2025&ensp;&#0183;&ensp;ADI&ensp;&#0183;&ensp;IC&ensp;&#0183;&ensp;LiFePO4&ensp;&#0183;&ensp; ...

Nov 6, 2023&ensp;&#0183;&ensp;Currently, a battery energy storage system (BESS) plays an important role in residential, commercial and industrial, grid energy storage and management. BESS has ...

Our battery charger ICs offer many standard features for battery management and safety, including on-chip battery pre-conditioning, current limiting, temperature-controlled charging, ...

TLE9012DQU is a 12-cell battery monitor IC with 16-bit ADC, 200 mA balancing, ASIL-D compliance for EVs/ESS. Find data sheets and ordering info.

Mar 27, 2025&ensp;&#0183;&ensp;Lithium batteries are widely used in many fields such as electronic equipment, electric vehicles, and energy storage systems due ...

3 days ago&ensp;&#0183;&ensp;NEH7100BU - The NEH7100 is a high-performance power management IC (PMIC) for energy harvesting solutions in low-power applications. It has a rich set of auxiliary features, ...

Apr 1, 2023&ensp;&#0183;&ensp;Slow Charge Slow charge is usually defined as a charging current that can be applied to the battery indefinitely without damaging the cell (this method is sometimes referred ...

Apr 1, 2021&nbsp;&#0183;&nbsp;&nbsp;Secondly, a health indicator that can be used to characterize the fading of the batteries is proposed. It includes four features and they are the maximum value of the IC ...

Analog Devices offers a broad portfolio of battery charger IC devices for any rechargeable battery chemistry, including Li-Ion, LiFePO4, lead acid, and nickel-based, for both wired and wireless ...

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