

Feb 8, 2021&ensp;&#0183;&ensp;With the rise of the electric vehicle industry in the past two years, the demand for power lithium battery is growing. While the market ...

Oct 1, 2018&ensp;&#0183;&ensp;To effectively improve the discharging efficiency and the cycle period, the thermodynamic analysis and the heat dissipation structure optimization are conducted on the ...

Feb 6, 2025&ensp;&#0183;&ensp;EV battery 101: Learn the key concepts and structure behind electric car batteries in our beginner-friendly guide.

Dec 1, 2021&ensp;&#0183;&ensp;The media such as liquid, phase change material, metal and air play a significant role in battery cooling systems. [5, 18, 19] As the metal media, micro heat pipe array (MHPA) ...

Sep 15, 2021&ensp;&#0183;&ensp;The main difference is the energy density. You can put more energy into a lithium-Ion battery than lead acid batteries, and they last much longer. That's why lithium-Ion batteries ...

Aug 1, 2018&ensp;&#0183;&ensp;Abstract A novel passive thermal management system (TMS) based on copper foam and paraffin composite phase change material (PCM) was designed for a lithium-ion ...

Jan 10, 2023&ensp;&#0183;&ensp;Around 60% of identified lithium is found in Latin America, with Bolivia, Argentina and Chile making up the "lithium triangle". Demand for lithium is predicted to grow 40-fold in the ...

Sep 2, 2025&ensp;&#0183;&ensp;A lithium battery pack is not just a simple assembly of batteries. It is a highly integrated and precise system project. It covers multiple steps, including cell selection, ...

Jul 20, 2022&ensp;&#0183;&ensp;Lithium is one of the key components in electric vehicle (EV) batteries, but global supplies are under strain because of rising EV demand. The world could face lithium ...

May 13, 2025&ensp;&#0183;&ensp;Critical minerals like lithium, cobalt and rare earth elements are fundamental to technologies such as electric vehicles, wind turbines and solar panels, making them ...

Jan 1, 2024&ensp;&#0183;&ensp;The battery pack is the most valuable component of the electric vehicle and its disassembly is the key process to recover the inner value of the product and apply circular ...

Jun 24, 2025&ensp;&#0183;&ensp;The Top 10 Emerging Technologies of 2025 report highlights 10 innovations with the potential to reshape industries and societies.

Dec 20, 2023&ensp;&#0183;&ensp;The target concerns electric and hybrid vehicles and energy storage systems in general. The paper makes an original classification of past works defining seven levels of ...

Jun 4, 2023&ensp;&#0183;&ensp;Battery thermal management system (BTMS) is essential to the safe operation of electric vehicles. In order to improve the heat dissipation performance of BTMS, the Non ...

Web: <https://mobicentric.co.za>