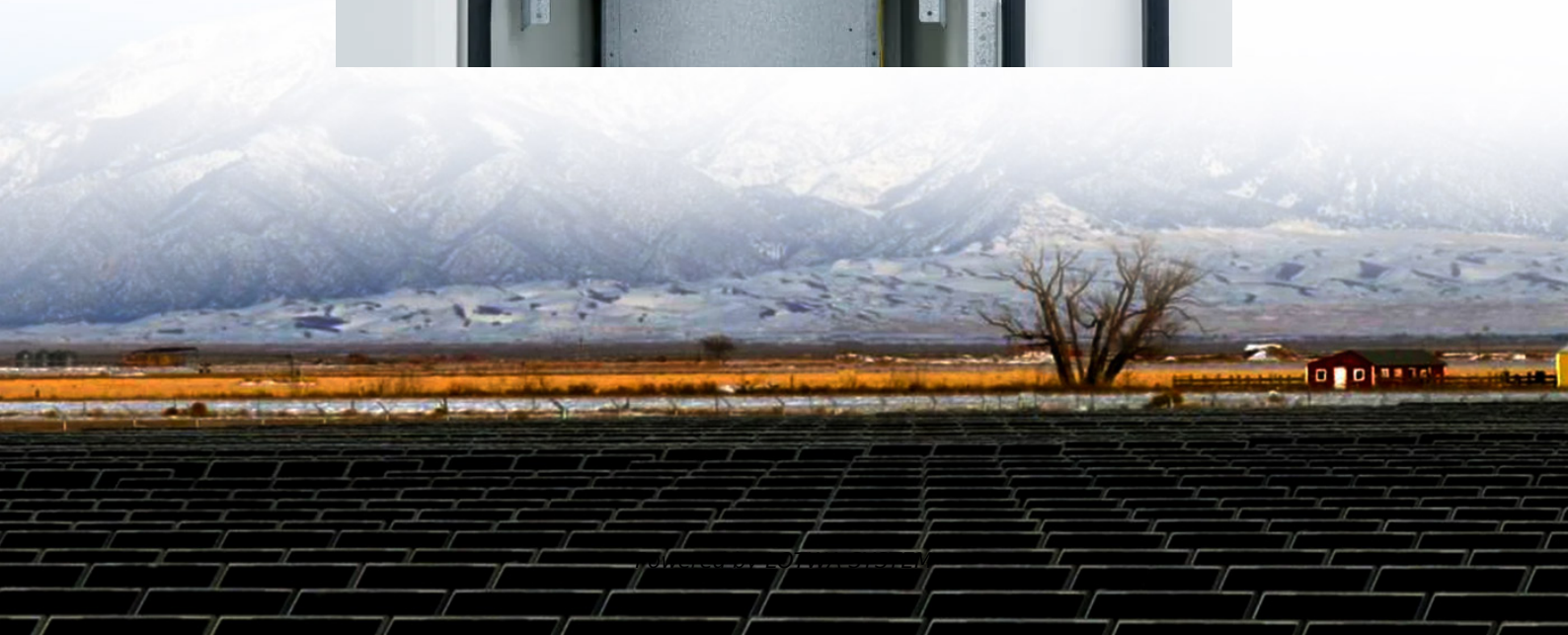


What are the functions of tool lithium batteries





Overview

What are lithium batteries used for?

Lithium batteries have been around since the 1990s and have become the go-to choice for powering everything from mobile phones and laptops to pacemakers, power tools, life-saving medical equipment and personal mobility scooters.

How do electronics protect a lithium ion battery?

Paul: Electronics really play a role in protecting the battery packs thermally. Take a lithium-ion cell in excess of 75°C (167°F) for a sustained time, and you will do permanent damage. Electronics regulate the system and protect your investment. They also handle discharge control—a new concept that came along with this technology.

How has lithium-ion technology changed?

Jason: Lithium-ion technology has changed with regards to the role the battery cells play in the system. There are three components to a lithium battery pack: the battery cells, the electronics, and of course, the tool. For lithium-ion to function well, electronics are essential. They control the battery and the movement of energy.

What are the components of a lithium battery pack?

There are three components to a lithium battery pack: the battery cells, the electronics, and of course, the tool. For lithium-ion to function well, electronics are essential. They control the battery and the movement of energy. The very nature of the cell chemistry requires this. Ni-Cad cells didn't need electronics



What are the functions of tool lithium batteries

How Lithium-ion Batteries Work

How Lithium-Ion Batteries Work
Reducing Tool Size and Weight
How Lithium-Ion Battery Technology Changes Parts to A Whole
Designing Li-Ion Battery Packs
Paul Fry on Energy Cells vs Power Cells
How Electronics Let Lithium-Ion Batteries Work Efficiently
Cell Balancing and Voltage
Bosch Tools on How A Cordless Power Tool Works
The Future of Lithium-Ion Batteries
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