

How to read the various codes of lithium batteries

How to read battery names?

Knowing how to read these names helps in selecting the right battery for your needs. Yuasa, a leading battery manufacturer, uses a specific structure for its battery names. For instance, the initial letter 'Y' denotes Yuasa. Understanding these codes can simplify the process of identifying the right battery.

What does 'Li' mean in a battery code?

When 'Li' is at the beginning of a battery code (like Li-ion), it signifies the battery is a rechargeable lithium-ion battery. In contrast, when 'Li' appears at the end (like CR2032Li), it typically indicates a non-rechargeable lithium battery.

What are battery codes?

Battery codes typically consist of a series of letters and numbers, each providing distinct information about the battery. While there is no single standard for all battery types, certain conventions are commonly followed across different categories:

What are lithium battery labels?

Lithium battery labels are like treasure maps. They provide a wealth of information that's crucial for identifying the battery, ensuring safety, and complying with various regulations. Here's a breakdown of what you'll typically find on these labels: Product Information: Basic details about the battery.

How are battery codes standardized?

Battery codes are sometimes standardized by organizations such as the International Electrotechnical Commission (IEC) and the American National Standards Institute (ANSI). These bodies have established guidelines for labeling batteries, ensuring that codes are consistent and universally recognized.

What does a lithium battery symbol mean?

Inside a lithium battery are chemicals that can be harmful if exposed. Recycle: This symbol looks like three chasing arrows forming a triangle. It indicates that the battery should be recycled properly. Lithium batteries contain materials that can be harmful to the environment if not disposed of correctly.

Blue - Lithium Batteries. Blue is typically used to denote lithium batteries. These are high-performance batteries with a longer lifespan and are ideal for high-drain devices. The blue color coding helps users quickly identify lithium batteries, which are often used in critical applications where reliability is paramount.

In conclusion, understanding how to read a lithium battery shipping sticker is crucial for anyone involved in the transport of lithium batteries. The various markings, indicators, and instructions on the sticker play a vital role in ensuring the safe handling and transportation of these potentially hazardous materials.

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The following introduces the name of the lithium-ion battery model and the meaning of the letters and numbers on the battery, so that everyone can better understand the battery model specifications. Name of the ...

Each group has published standards relating to the nomenclature of batteries - IEC 60095 for lead-acid starter batteries, IEC 61951-1 and 61951-2 for Ni-Cd and Ni-MH batteries, IEC 61960 for Li-ion, and IEC 60086-1 for primary batteries. LR2616J.

Common examples of such codes are 12N14-3A, YB16L-A2, YTX14AHL-BS, YTZ7S, so let's look at what the codes mean for those batteries as a demonstration: 12N14-3A: 12N indicates a 12-volt battery of the conventional flooded (wet cell) type. 14 is the power rating (not the Ah rating).

Battery codes are essential for understanding crucial details about your battery, such as its age, type, size, and other specifications. Knowing how to read these codes can significantly impact your decisions on battery replacement and maintenance. In this article, we will delve into the intricacies of battery codes, ensuring that you can ...

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