

How to read the barcode of lithium battery pack

Do you need a data plate for a lithium-ion battery pack?

A data plate is an effective way to display battery pack information that can be useful for safety and servicing purposes when it comes to buying a lithium-ion battery pack. In fact, OSHA requires every operator to know what type of power their forklift is using. Data plates are not only necessary but also important for ensuring safety and proper maintenance of the battery pack.

What is a lithium battery label?

Labels are printed with the letters 'UN' and a 4-digit number. Think of it like a special code. These numbers clarify 2 types of crucial information: the lithium battery type and packaging method. Packaging method refers to how the lithium batteries are being shipped. This can be done in 3 ways:

Do I need a label for lithium ion batteries?

If you're shipping lithium ion batteries contained in or packed with equipment, use a battery label with UN3481. Lithium metal batteries will use labels with one of the following UN numbers: If you're shipping lithium metal batteries as a standalone (no other items in the package), use a battery label with UN3090.

What are the safety signs on lithium battery labels?

Safety signs on lithium battery labels are critical. They warn users about potential hazards and provide instructions for safe handling. Here are some common safety signs you might see: Flammable Material: This symbol looks like a flame and indicates that the battery can catch fire if mishandled.

What are the certification marks on a lithium battery?

Let's look at some common certification marks you might find on a lithium battery: CE Mark: This mark indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). Seeing this mark means the battery complies with EU regulations.

What are the symbols on a battery data plate?

On a Lithium-ion Battery data plate, there are two symbols: the lightning bolt and the exclamation mark. The lightning bolt symbol is an electric hazard symbol that lets people know that injury from electricity can occur if the battery pack is not handled properly.

To read the data plate on a lithium-ion battery, identify the key specifications including voltage, capacity, chemistry, and safety certifications. Each part of the data plate ...

Product name(s) of the cell(s) or battery(ies) as displayed on the product(s) Manufacturer's name; Part number and or model number corresponding to the Test Report or certification; Lithium ...

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Battery Expiration Dates. Learn about Duracell AA battery life, AAA battery life, 9V battery life and more. Which is the longest battery Duracell or lithium? When you buy ...

A fully charged lithium-ion battery should have a voltage reading of around 14.1 volts; If the voltage reading is below 12.1 volts, the battery may be 50% discharged. If the ...

Battery labels contain crucial information that can guide us in selecting the right battery based on our specific needs. In this article, we will explore the key elements found on ...

The ideal voltage for a lithium-ion battery depends on its state of charge and specific chemistry. For a typical lithium-ion cell, the ideal voltage when fully charged is about ...

It also can provide an additional layer of safety for the lithium battery. To properly shrink-wrap a battery, you need to measure the length and height of the battery using a ruler or measuring tape. Adding the two ...

Learn to read lithium battery labels. Understand key details like voltage, capacity, and safety warnings for safe and efficient battery use.

Labels containing unique identifiers, such as a Battery Identification Number (BIN), enable the tracking of a battery's lifecycle, ensuring that it is properly recycled or repurposed. The Battery ...

When using a Li-ion battery for the first time, follow the manufacturer's instructions on charging. If the instructions tell you to charge your device overnight, charge it overnight. Charge your ...

Efficient EV battery tracking, and traceability must capture codes throughout the module and pack assembly processes, from printed circuit boards (PCBs) to fastening the top shell to the battery pack. Many Cognex ...

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