

SolarInvert Energy Solutions

What is the mc mark on the front of the lithium battery pack



Overview

How to identify a lithium battery?

Each package must be marked with UN Number, Proper Shipping name & class 9 lithium battery label model no. 9A Each package must be marked with lithium battery mark as below The mark shall indicate the UN number, preceded by the letters “UN”, i.e. ‘UN 3090’ for lithium metal cells or batteries or ‘UN 3480’ for lithium ion cells or batteries.

What is a lithium ion battery Mark?

The mark is also widely used on packages of consumer electronic devices such as cellular phones, notebooks, tablets, and power tools that are packed with or contain lithium ion batteries.

Do I need a lithium battery Mark?

The Model Regulations require the lithium battery mark in section 5.2.1.9 and shown below to be placed on nearly all packages containing small lithium ion and lithium metal cells and batteries when shipped in accordance with Special Provision 188.

What is important to know about lithium batteries?

The lithium battery mark is the only package mark or label that might be required for a lithium metal button cell battery contained in equipment. The size of the lithium cell/battery is also important to note.

How do I know if a lithium battery has a UN number?

Where the lithium cells or batteries are contained in, or packed with, equipment, the UN number preceded by the letters “UN”, i.e. ‘UN 3091’ or ‘UN 3481’ as appropriate shall be indicated. Where a package contains lithium cells or batteries assigned to different UN numbers, all applicable UN numbers shall be indicated on one or more marks.

Are there new marks & labels for lithium batteries?

Yes, there are new marks and labels for lithium batteries. These new communications were added to all the different sets of regulations (whether DOT, IATA, or IMDG) at the start of 2017. The rulemaking gave a two-year transition period to start using the new marks and labels.

What is the mc mark on the front of the lithium battery pack



Meaning of Codes on Lithium Batteries

The numbers on a lithium battery provide important information about the battery's dimensions or capacity. For Cylindrical Batteries (e.g., 18650): The numbers refer to the battery's physical size.

[Get Started](#)

1321580

Dec 8, 2021 · The Model Regulations require the lithium battery mark in section 5.2.1.9 and shown below to be placed on nearly all packages containing small lithium ion and lithium metal ...

[Get Started](#)



How to Read Lithium Battery Numbers

Oct 30, 2024 · Holding a lithium battery in your hand, such as a cylindrical battery, with "18650" written on it, as well as "3.7V", "3000mAh", or even a mark like ...

[Get Started](#)



How To Read A Lithium-ion Battery Data Plate

Oct 28, 2021 · Battery packs that have a UL Listing will include the UL logo on the data plate to show that it has passed the rigorous testing requirements. The ...

[Get Started](#)



What Do The Certifications On My Battery Mean? , MDS Battery

Jun 19, 2024 · Confused by all the symbols and logos on a CSB battery? Find out what they all mean. When researching or purchasing a battery you will notice many safety, recycling and ...

[Get Started](#)

How to calculate the lithium content in a battery

May 3, 2024 · When considering 'lithium content', this does not necessarily mean how much lithium metal is in the battery. Technological advances have come up with new alloys to ...

[Get Started](#)



A Comprehensive Guide to Lithium Battery Labels

Jul 9, 2024 · Let's look at some common



certification marks you might find on a lithium battery: CE Mark: This mark indicates conformity with health, safety,

...

[Get Started](#)

Is This Lithium Battery Marking Compliant or Not?

Mar 30, 2020 · The package included a lithium battery mark that made me think "Wait, is that compliant?" This marking tells a story, and I think it raises an important point for every ...

[Get Started](#)



Designing a Lithium-Ion Battery Pack: A Comprehensive Guide

Feb 15, 2025 · Designing a lithium-ion battery pack is a complex and multifaceted process that requires a deep understanding of the components, configurations, and safety considerations

...

[Get Started](#)

The Handbook of Lithium-Ion Battery Pack Design

Abstract Lithium-ion (Li-ion) batteries are everywhere today. introduces the topic of Li-ion batteries and Li-ion battery design to the reader and outlines the flow of the book with the intention of ...

[Get Started](#)



Water-based manufacturing of lithium ion battery for life ...

Jan 1, 2021 · Water-based manufacturing processes are under development for greener manufacturing of lithium ion batteries but their environmental impacts are unclear with new ...

[Get Started](#)

What Does the Lithium Battery Mark Mean for Your Devices?

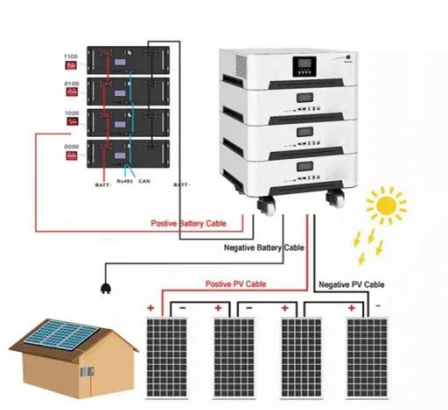
Mar 7, 2025 · The lithium battery mark is a mandatory safety symbol indicating compliance with international transportation regulations. It ensures batteries meet specific testing standards for ...

[Get Started](#)



Battery Cell, Module, Pack, what`s the Difference?

Nov 20, 2024 · A battery cell is the most



basic functional unit of a lithium-ion battery. Looking at its structure, each battery cell contains five key ...

[Get Started](#)

Lithium battery marking labeling and placarding

Mar 22, 2021 · Each package must be marked with lithium battery mark as below. The mark shall indicate the UN number, preceded by the letters "UN", i.e. 'UN ...

[Get Started](#)

Applications



Breaking Down the Components of a Lithium-Ion Battery

May 8, 2025 · Inside a lithium battery are key components like the cathode, anode, electrolyte, separator, and current collectors, ensuring efficient energy storage.

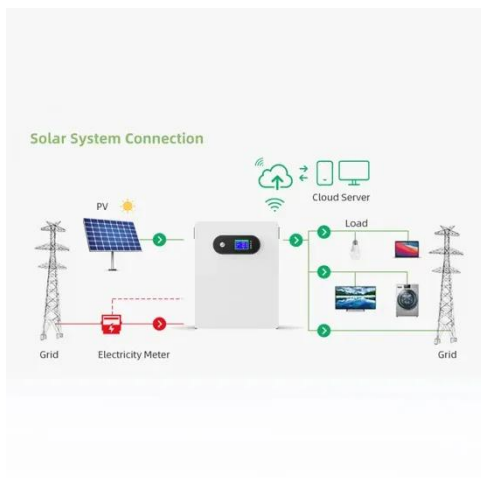
[Get Started](#)



Battery 101: The Fundamentals of How a Lithium ...

Feb 8, 2024 · How does a lithium-ion battery work? It's a question many battery users have asked themselves when eyeing these high-quality lithium batteries ...

[Get Started](#)



Question of the day: Lithium Battery Mark ...

Question of the day: Lithium Battery Mark instead of Lithium Battery Handling Label I can no longer find the old Lithium Battery Handling Label 7.4.H in the ...

[Get Started](#)

Lithium-Ion Battery Care Guide: Summary Of Battery Best Practices

Aug 3, 2021 · Make your lithium ion batteries last longer by understanding their facets and optimizing how you use them.

[Get Started](#)



WHAT THE LABEL ON A LITHIUM-ION BATTERY ...

Aug 16, 2025 · ? Whether you browse the web searching for a teardown of your



favorite smartphone, or are sufficiently skilled to take a smartphone apart, you ...

[Get Started](#)

Lithium Battery Regulations and Standards in the ...

Jun 24, 2024 · Guide to regulations, standards, lab testing and labelling requirements for lithium batteries sold in the European Union.



[Get Started](#)

2MW / 5MWh
Customizable



Lithium Battery

Apr 29, 2024 · What are dendrites in a Lithium Battery? Dendrites in a battery are branch-like projections of metal that can form on the surface of lithium. These ...

[Get Started](#)

Understanding the Lithium-Ion Battery Manufacturing Process

Aug 5, 2025 · The electrolyte in a lithium-ion battery is the crucial medium that

facilitates the movement of lithium ions between the anode and cathode. Typically, it is a lithium salt ...

[Get Started](#)



Understanding Lithium Battery Labeling ...

Jun 13, 2025 · Ensure compliance with 2025 lithium battery label regulations. Learn about safety, packaging, and labeling standards to avoid penalties and ...

[Get Started](#)

Everything About KC Certification for Lithium ...

Jun 7, 2024 · Part 1. What is KC certification? KC Certification, short for Korea Certification, is a mandatory safety mark for products sold in South Korea. It ...

[Get Started](#)



Lithium Battery Labels 101: A Beginner's Guide

Jan 22, 2025 · When it comes to shipping lithium batteries, it's important to

understand the specific labeling requirements to ensure the safe and ...

[Get Started](#)



The Ultimate Guide to Lithium-Ion Car Batteries

Dec 19, 2024 · From how lithium-ion batteries work to their advantages, lifespan, and charging methods, this comprehensive guide provides everything you ...

[Get Started](#)



Q& A: What labels & marks are required for a ...

May 4, 2021 · The number of cells or batteries in the package and the number of packages in the consignment. e.g., if you ship more than two battery ...

[Get Started](#)

Meaning of Codes on Lithium Batteries

What Does "Ah" on a Lithium Battery Mean? Ah (Ampere-hour): This indicates

the battery's capacity, or how much charge it can store. For example, a battery marked as "100Ah" can ...

[Get Started](#)



WHAT THE LABEL ON A LITHIUM-ION BATTERY ...

Aug 16, 2025 · The purpose of today's post is to shed some light on what one can glean from the label of a lithium-ion battery. The left photograph above is for ...

[Get Started](#)

What Do S and P Mean on a Lithium Battery Pack?

Jun 18, 2024 · Lithium battery packs are vital in many modern devices, powering everything from smartphones to electric vehicles. However, understanding ...

[Get Started](#)



Safest Types of Lithium Cells By Chemistry

Nov 1, 2023 · Picking the safest cells by chemistry is a crucial step to planning

any battery build, learn more here on your options.

[Get Started](#)



What Should Be Included on Lithium Battery ...

May 1, 2023 · Are you wondering how to design the perfect battery label? Read here to find out what exactly should be included on lithium battery labels.

[Get Started](#)



Battery certification imprints and certifying ...

Mar 5, 2025 · Certification imprints
Certification listings on your battery packaging indicate that they have either been rigorously tested to meet the high ...

[Get Started](#)

Mandatory Now: New Lithium Battery Marks and Labels for ...

...

Feb 4, 2019 · If you ship what we call "excepted" lithium batteries, you will need to start using the "lithium battery mark" (seen below). Excepted cells/batteries are defined as:

[Get Started](#)



Lithium-Ion Battery Pack Manufacturing Process ...

Jun 4, 2025 · Discover how lithium-ion battery packs are made--sorting, welding, assembly, BMS integration, and testing--to deliver reliable power for EVs, ...

[Get Started](#)

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.persianasaranda.es>