

Marking on cylindrical lithium batteries





Overview

What are the guidelines for battery capacity marking?

The guidelines look into requirements coming out of the Batteries Directive 2006/66/EC and Regulation (EU) 1103/2010 on capacity marking of portable rechargeable batteries. In addition, this document also looks into other EU legislation such as the RoHS, WEEE, Low Voltage and Medical Equipment Directives.

What is the proper use of lithium-ion battery symbols?

Several organizations define proper usage of lithium-ion battery symbols: IEC 60417 defines graphical symbols for use on equipment. Commonly used in electrical product design. ISO 7010 Covers safety symbols, especially for workplace and industrial use.

Who is responsible for marking a battery?

The producer placing batteries on the market is responsible for fulfilling the marking requirements in accordance to the provisions of the Batteries Directive 2006/66/EC. Certain battery peripherals are required to bear the standardized CE marking label, as well as the crossed-out wheeled bin.

What is a lithium ion battery label?

Used for shipping lithium-ion batteries. This includes a battery with flames and a red-bordered label to warn of fire risk. The symbol is simplified in electrical schematics into a series of lines representing battery cells with a + and - terminal. It is typically labeled with Li-ion and voltage (e.g., 3.7V).



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Complete Cylindrical Li-ion Battery Guide: Understand IEC61960 Marking

Discover the cylindrical Li-ion battery marking guide according to IEC61960, including model codes, dimensions, chemistry, and common examples.

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[Guidelines on Portable Batteries and Battery Peripherals ...](#)

The marking requirements of Article 21.1 of the Batteries Directive 2006/66/EC include battery packs together with batteries and accumulators that have to be appropriately ...

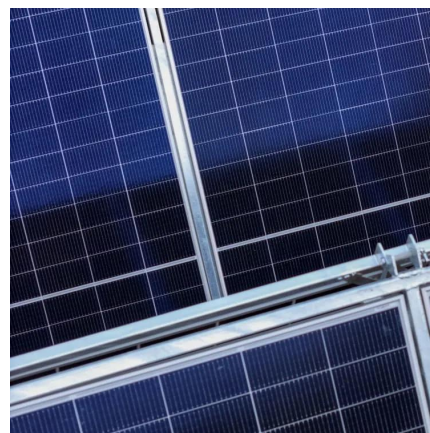
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IEC 62902:2025

IEC 62902:2025 specifies methods for the clear identification of secondary cells, batteries, battery modules and monoblocs according to their chemistry (electrochemical storage technology). ...

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[Laser Marking in the Battery Industry , KEYENCE America](#)



The demand for vehicle batteries is increasing. EV, PHV, and HV vehicles are growing in popularity, and mobile charging terminals are a common sight. These vehicles are, of course, ...

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[Lithium Battery Symbol Guide for Professionals](#)

The lithium-ion battery symbol ensures safety, compliance, and proper use in design. Learn key markings, labels, and real-world applications.

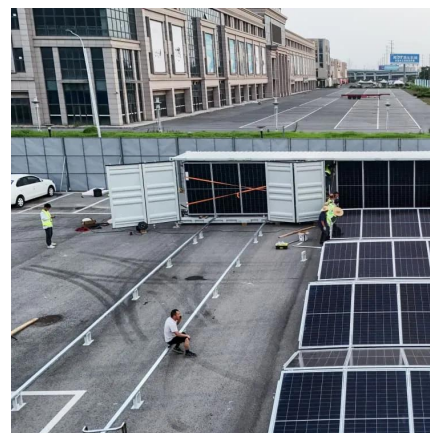
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