

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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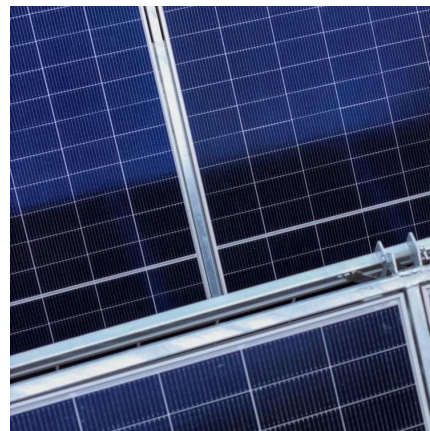
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[Lithium Battery Symbol Guide for Professionals](#)

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

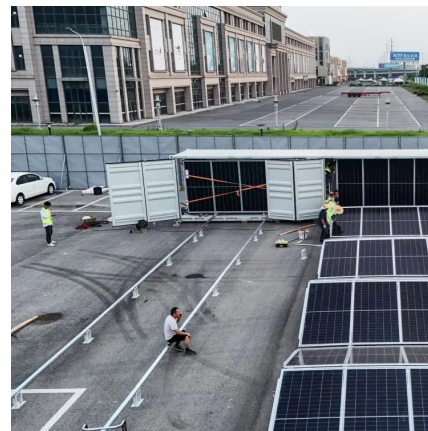
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