

## SolarTech Power Solutions

# Energy storage battery classification label



## Overview

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BCI's Recommended Practices Battery Labeling Manual, last revised in 2020, summarizes labeling requirements for lead-acid batteries from the United States, Canada, the EU, China, and Japan, as well as BCI-recommended (but not legally required) labeling practices that are based on industry.

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Sections 70401 and 40207 of the Bipartisan Infrastructure Law (BIL) direct the U.S. Environmental Protection Agency (EPA) to address these challenges along the battery life cycle through the development of voluntary battery labeling guidelines, battery collection best practices, consumer education.

- (a) Except for size and color, the LITHIUM BATTERY label must be as follows:
- (b) In addition to complying with § 172.407, the background on the LITHIUM BATTERY label must be white with seven black vertical stripes on the top half. The black vertical stripes must be spaced, so that, visually, they

□ This document is based on the provisions set out in the 2025-2026 Edition of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (Technical Instructions) and the 66 th Edition (2025) of the IATA Dangerous Goods Regulations (DGR). The provisions of the DGR with respect.

Battery labels provide critical information about chemistry (e.g., alkaline, lithium), voltage, capacity, safety certifications, and disposal instructions. Understanding these labels ensures proper usage, compliance with safety standards, and environmental responsibility. This guide decodes symbols.

As the global transition to renewable energy accelerates, lithium-ion battery energy storage systems (BESS) have become critical components in grid stabilization, renewable energy integration, and backup power applications. However, energy storage batteries come with inherent risks, including fire.

MCS (Microgeneration Certification Scheme) has launched the industry's first standard for the installation of battery storage systems. The new Battery Installation Standard (MIS 3012) outlines the requirements for MCS certified installers who supply, design, and install electrical energy storage or.

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