

SolarTech Power Solutions

Class 9 lithium battery pack identification



Overview

Are lithium batteries class 9?

Lithium batteries are articles and are now assigned their own UN numbers: UN 3536 — lithium batteries installed in cargo transport unit lithium ion batteries or lithium metal batteries. All lithium batteries are Class 9 — miscellaneous dangerous substances and articles.

What does a class 9 Battery label mean?

The Class 9 label serves as a warning to those who handle these batteries. It indicates that the package contains lithium batteries which can potentially short-circuit, overheat, or catch fire, particularly if subjected to external pressure or piercing.

What are the New Hazard Communication Regulations for lithium batteries?

One significant change to the hazard communication regulations for lithium batteries or cells is the phase in of the new Hazard Class 9 Lithium Battery label to replace the currently used Class 9 Miscellaneous label. This short Power Point presentation will summarize these changes and the deadlines for compliance.

When is the New Hazard Class 9 lithium battery label acceptable?

The new Hazard Class 9 Lithium Battery Label is acceptable as of January 1, 2017 and mandatory as of January 1, 2019.

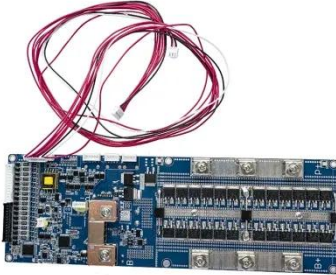
Are Li-ion batteries class 9 hazardous material?

All Li-ion batteries shipped under Class 9 hazardous material designation must meet the UN Manual of Test and Criteria, Part III, subsection 38.3. (This addresses safety.) Number of packages and gross weight per package. With PI 968 to PI 970, cells and battery packs must be packed in a rigid outer packaging.

What text should be included on a lithium battery label?

NOTE: No text other than the Class “9” must be included in the bottom part of the Lithium Battery Class 9 label. IATA 7.2.2.4 * Shipper must add UN number(s). It should be 12 mm high AND ** The phone number is optional. Printed or other static representations of this document are considered uncontrolled and for reference-only.

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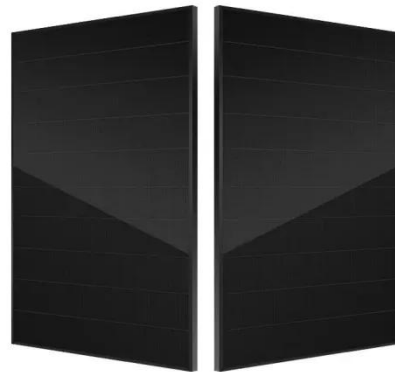


Understanding Battery Labels: A Quick Reference Guide

Apr 11, 2025 · What do battery labels mean? Battery labels provide critical information about chemistry (e.g., alkaline, lithium), voltage, capacity, safety certifications, and disposal ...

Use of the New Hazard Class 9 Lithium Battery Label

Nov 23, 2017 · One significant change to the hazard communication regulations for lithium batteries or cells is the phase in of the new Hazard Class 9 Lithium Battery label to replace the ...



Warranty
10 years

LiFePO₄

Intelligent BMS

Wide Temp:
-20°C to 55°C



2020 Lithium Battery Guidance Document

Jan 8, 2020 · Lithium-ion batteries (sometimes abbreviated Li-ion batteries) are a secondary (rechargeable) battery where the lithium is only present in an ionic form in the electrolyte. Also ...

UN 3090: Lithium metal batteries including lithium alloy batteries

Substance information for UN 3090 - Lithium metal batteries including lithium alloy batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk ...



How to Identify a Lithium Battery: A Complete Guide

Codes such as CR (coin cells) or IATA Class 9 labels indicate lithium chemistry. Rechargeable variants may include "R" prefixes (e.g., RCR123A). Regulatory marks like UN38.3 certification ...

What Hazard Class Are Lithium Batteries?

Aug 8, 2025 · Specific Lithium Battery Classifications Within Class 9, lithium batteries are further differentiated by chemical composition and configuration, each assigned a specific UN ...



Understanding Lithium Battery Hazards: A Guide

to Class 9 ...

Feb 13, 2025 · This article explores the Class 9 hazard label associated with lithium batteries, what it signifies, and crucial safety tips for handling these powerhouses. What



LITHIUM BATTERIES

2 days ago · Lithium batteries not shipped in same package as Class Y N 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2 and 8 and 2.2 with Cargo Aircraft Only label, including All Packed in One and Overpack.



Un 3480 lithium ion batteries class 9

Lithium batteries are classified in Class 9 - Miscellaneous dangerous goods as: UN 3090, Lithium metal batteries; or; UN 3480, Lithium-ion batteries; or, if inside a piece of equipment or packed ...



Understanding Lithium Battery Hazards: A Guide to Class 9 ...

Feb 13, 2025 · Lithium batteries are integral to our modern world, powering everything from smartphones to electric vehicles. However, with their increasing ubiquity comes the need for ...



How to Decode a Lithium-ion Battery Data Plate?

Mar 3, 2025 · What Information Is Found on a Lithium-ion Battery Data Plate? A lithium-ion battery data plate provides critical specifications, including voltage (V), capacity (Ah or Wh), ...

LITHIUM METAL BATTERIES

3 days ago · All Lithium Batteries (Section I/IA/IB and Section II) in all packing instructions must not be shipped in the same package with the following Hazard Classes/Divisions: 1.4, 2.1, 3, ...



Class 9 Hazardous Goods and Lithium Battery Labeling Guide



May 14, 2025 · Use the right lithium battery labels to follow safety rules. Correct labels keep people and nature safe. Show UN numbers on packages to name dangerous items. This helps ...

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