

SolarTech Power Solutions

**Energy storage battery
containers are classified as
dangerous goods**



Overview

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□ 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.

Lithium battery products are classified as Class 9 dangerous goods and divided into several categories such as lithium batteries, lithium battery equipment, battery-powered vehicles, and Lithium Batteries Installed in Cargo Transport Unit. Different categories have different requirements on during.

The first rough distinction concerns the type of battery. Is it lithium-ion cells or batteries (1), lithium-metal cells or batteries (2) or lithium hybrid cells or batteries (3). The following is crucial: From a nominal energy value of more than 100 Wh, batteries are classified as class 9 hazardous.

However, due to the high safety risks associated with energy storage containers, their transportation poses new challenges to maritime safety. BESS refers to a mobile power supply device with lithium battery packs, lithium-ion battery packs, or lithium-metal battery packs installed and secured.

The rapid global adoption of electric vehicles (EVs), lithium-ion batteries, and Battery Energy Storage Systems (BESS) has led to significant advancements in maritime transport regulations and best practices. This report details the critical updates within the International Maritime Organization.

In the past few months, Gard has received several queries on the safe carriage of battery energy storage systems (BESS) on ships. In this insight, we highlight some of the key risks, regulatory requirements, and recommendations for shipping such cargo. According to the International Energy Agency.

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