

## ContainerPower Energy Solutions

# What equipment is needed to pack batteries



## Overview

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A UPS guide to help you safely pack and ship many kinds of batteries including lithium metal, damaged or defective batteries and alkaline or certain nonspillable lead-acid batteries.

A UPS guide to help you safely pack and ship many kinds of batteries including lithium metal, damaged or defective batteries and alkaline or certain nonspillable lead-acid batteries.

Shippers are required to understand and comply with the applicable regulations for the transport of batteries by all modes of transportation. To assist shippers in understanding the requirements related to the transport of lithium batteries following the regulations, PHMSA/DOT (49 CFR) and IATA.

Lithium batteries are used in many electronic devices such as cameras, cell phones, laptop computers, medical equipment and power tools. When shipping or importing lithium batteries, including those contained in or packed with devices and equipment, packaging requirements must be met and package.

This compliance resource was prepared to assist shippers to safely package lithium cells and batteries for transport by all modes according to the latest (May 10, 2024; HM-215Q) regulatory requirements. This publication directs readers to scenario-based shipping guides that outline the requirements.

Lithium batteries are a critical component of modern energy systems—from smartphones and laptops to electric vehicles and renewable energy storage. However, their potential hazards, including fire, explosion, and chemical leakage, require strict packaging protocols during transport. Lithium battery.

If you're traveling by air with personal electronics that use lithium batteries or you need to ship some lithium batteries, it's important to know the proper way to pack them. Follow all the official rules for packing installed and spare lithium batteries for air travel to avoid getting them.

Whether it's a lithium-ion, alkaline, solar, or car battery, each requires special

handling and packaging solutions. Whether you're a manufacturer, distributor, or end-user, understanding these packaging principles could mean the difference between a reliable power source and a hazardous situation.

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