

Battery Shipments Authorized for US Ground Transport

Packaging Authorization §173.185, Class 9

Customer Defined Shipment Specifications

- Watt-hour rating is > 60 Wh/cell or > 300 Wh/battery

Packaging Requirements

- Inner packagings that completely enclose the cell or battery, and then be:
 - (Option 1) Placed in a packaging that meets packing group II standards and then further packed with the equipment in strong outer packaging; OR
 - (Option 2) Further packed with the equipment in an outer packaging that meets packing group II standards
- Equipment with cells or batteries packed in a manner that protects equipment against short circuits, moving, and/or accidental activation
- For non-bulk, a maximum net mass per package of 400 kg (882 pounds) or less and a maximum capacity of 450 L (119 gallons) or less as a receptacle for a solid
- For large packaging, packages that exceed 400 kg net mass but have a volume of not more than 3 cubic meters (m³), certain large, rigid packagings are authorized for a single battery, including for a battery contained in equipment

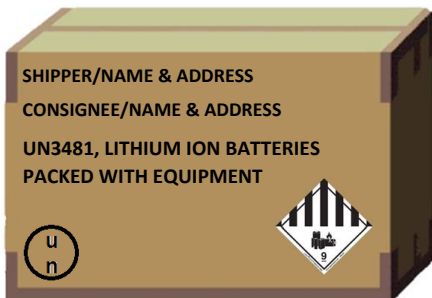
Marking and Labeling Requirements



Option 1



UN3481, LITHIUM ION BATTERIES PACKED WITH EQUIPMENT	UNID, Proper Shipping Name
	Appropriate UN Certification marking
	Class 9 Lithium Battery Label



Option 2



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Documentation Requirements

1. Include Bill of Lading or other document with the following information:
 - Contains all of the information required as per 49 CFR, Subpart C of Part 172
 - Emergency response information required as per 49 CFR, Subpart G of Part 172

(The document can be any form, provided it contains all of the information required by the regulations)

Street		City, State, Zip Code		24 hr Emergency Contact Name: XXXXX		
City, State, Zip Code		24 hr. Emergency Contact Tel. No.		24 hr Emergency Contact Number: xxx-xxx-xxxx		
Route				Vehicle Number		
No. of Units & Container Type	HM	BASIC DESCRIPTION <small>UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group</small>	TOTAL QUANTITY <small>(Weight, Volume, Gallons, etc.)</small>	WEIGHT <small>(Subject to Correction)</small>	RATE	CHARGES <small>(For Carrier Use Only)</small>
1 box	X	UN3481, Lithium Ion Batteries Packed with Equipment, 9 ERG Code 147	25 lb.			

