

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

- The strong outer packaging must be constructed of a suitable material of adequate strength and design in relation to the capacity of the packaging and its intended use unless the battery is afforded equivalent protection by the equipment in which it is contained
- Equipment with cells or batteries packed in strong outer packaging that protects equipment from 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



UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	UNID, Proper Shipping Name
	Class 9 Miscellaneous Dangerous Goods label

Lithium Ion

Fully Regulated

UN3481

Contained In

Battery Shipments Authorized for US Ground Transport
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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 UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 box	X	UN3481, Lithium Ion Batteries Contained in Equipment, 9 ERG Code 147	25 lb.			