

## Battery Shipments Authorized for US Ground Transport

### Packaging Authorization §173.185, Class 9

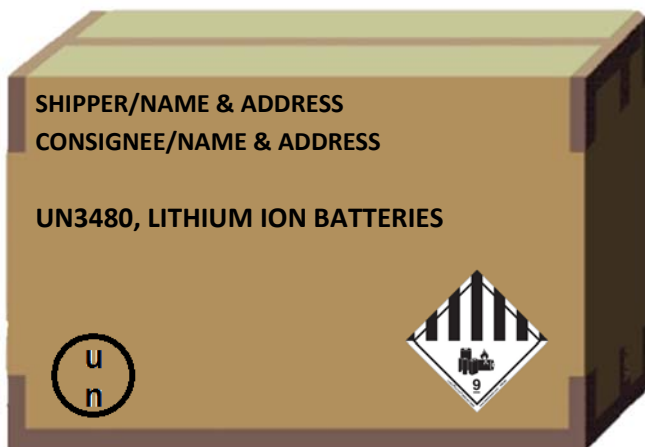
#### Customer Defined Shipment Specifications



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

#### Packaging Requirements

- Cells and batteries protected to prevent short circuits, movement, and accidental activation
- Inner packagings that completely enclose the cell or battery
- Completed packagings must meet Packing Group II standards; except:
  - Lithium batteries that weigh 12 kg (26.5 pounds) or more and have a strong, impact-resistant outer casing may be packed in strong outer packagings; protective enclosures; or on pallets or other handling devices instead of UN performance packaging
- 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 (m<sup>3</sup>), certain large, rigid packagings are authorized for a single battery, including for a battery contained in equipment

#### Marking and Labeling Requirements



UN3480, LITHIUM ION BATTERIES	UNID, Proper Shipping Name
	Appropriate UN Certification marking
	Class 9 Miscellaneous Dangerous Goods label

Lithium Ion

Fully Regulated

UN3480

Standalone

**Battery Shipments Authorized for US Ground Transport**  
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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)

**Documentation Requirements**

Street

City, State, Zip Code

City, State, Zip Code

24 hr. Emergency Contact Tel. No.

24 hr Emergency Contact Name: XXXXX

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	UN3480, Lithium Ion Batteries, 9 ERG CODE 147	70 lb.			



**DGIS** LITHIUM  
BATTERY  
ADVISOR

This sheet is only a summary of the requirements found in  
49 CFR, §171.8, §172.101; §172.447; Subparts C and G of Part  
172; and §173.185