

**Shipping Damaged, Defective, or Recalled (DDR) Lithium Ion Batteries  
DOT Special Permit 21193**

*“Low Energy” Lithium Ion Batteries*

**DO NOT SHIP LITHIUM METAL BATTERIES IN KULR SAFE CASE**

This guide is applicable only to lithium cells and batteries below the energy content threshold listed below:

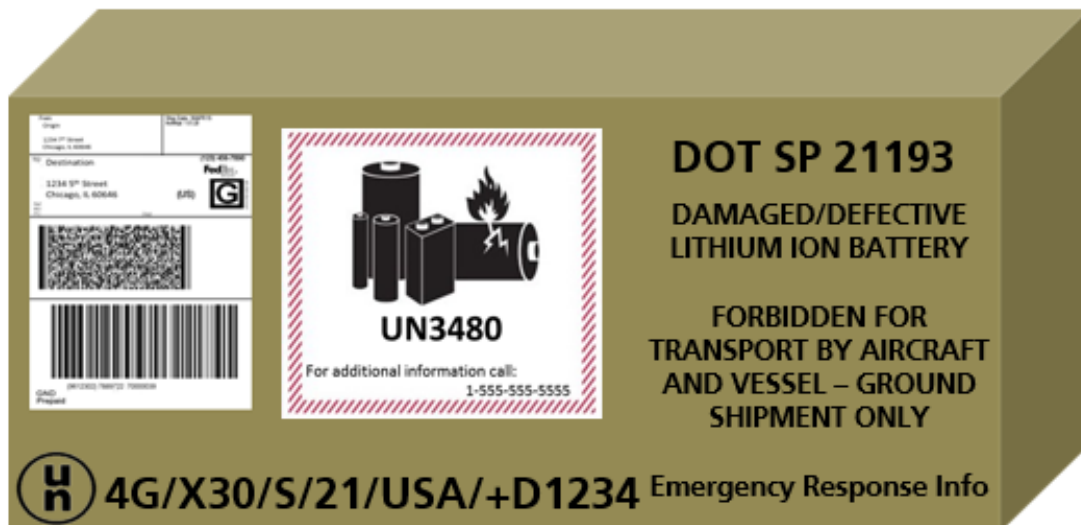
- Lithium ion cells ≤ 60 Wh
- Lithium ion batteries ≤ 300 Wh

If your lithium battery(ies) exceeds these limits, please view the applicable guide for “high energy” batteries

For low energy DDR lithium battery shipments per DOT SP 21193, the following applies:

- Cells/batteries must have originally met UN 38.3 test requirements (i.e., no prototype batteries allowed)
- Cells/batteries must be secured and protected against short circuit
- If cells/batteries are contained in equipment, unintentional activation must be prevented
- Cells/batteries must be placed in KULR TRS bag
- The KULR TRS bag must then be placed in the UN 4G fiberboard box provided
- Aggregate energy content in a single package cannot exceed 2.1 kWh
- Total package weight cannot exceed 66 pounds
- Package must be closed per provided closure instructions
- Ensure that the outer fiberboard package has the following marks/labels:
  - o “DOT SP 21193”
  - o “Damaged/Defective lithium ion battery”
  - o “FORBIDDEN FOR TRANSPORT BY AIRCRAFT AND VESSEL – GROUND SHIPMENT ONLY”
  - o Package must display the correct lithium battery mark:
    - If standalone lithium ion cells/batteries: Use **UN3480**
    - If lithium ion cells/batteries packed with or contained in equipment: Use **UN3481**

When following these rules, no Class 9 label or shipping paper is needed and employee training is not required.



*Lithium ion batteries (UN3480) example*