

UN3481, LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

For ground shipments prepared in accordance with § 173.185 (49 CFR – October 2025 Edition)

Only trained hazmat employees may ship lithium batteries using this guide.

Small Cells & Batteries

– §173.185(c) –
(DG Shipping Guide #36)



- Watt-hour rating (exemption)
 - Cells (≤ 20 Wh)
 - Batteries (≤ 100 Wh g)
- Drop test (1.2 m)

Medium Cells & Batteries

– §173.185(c) –
(DG Shipping Guide #42)



- Watt-hour rating (exception)
 - Cells (≤ 60 Wh)
 - Batteries (≤ 300 Wh)
- Drop test (1.2 m)

Fully Regulated Cells & Batteries

– §173.185(b) –
(DG Shipping Guide #34)



- Watt-hour rating
 - Cells (> 60 Wh)
 - Batteries (> 300 Wh)
- UN specification packaging (PG II)



The UN number(s) displayed on the mark should be at least 12 mm high.