



Kestrel

Lithium Battery Checklist

This checklist applies to lithium batteries not installed in an EV/HEV or CTU. All boxes must be checked to book cargo.

- Does the lithium battery pass UN38.3?
 - Note: Shipper must verify with the manufacturer and then confirm on the transport document, "Lithium batteries meet UN38.3."
- Are the lithium batteries regulated?
 - Yes: Lithium batteries do not meet Special Provision 188 and require a Hazardous Material Declaration.
 - No: Lithium batteries meet Special Provision 188 and do not require a Hazardous Material Declaration.
- If an exemption exists, the shipper must cite the special provisions on the transport document and include the following statement: "Transport in accordance with special provision (*insert the specific special provision(s)*)." For example, "Transport in accordance with special provision 188."
- Lithium batteries must be in OEM packaging or packaged to the manufacturer's instructions, terminals protected from short circuit (if applicable), and all cargo within the container secured to prevent shifting.
- Tropical does not accept lithium batteries that are damaged, defective, or leaking liquid.
- Fully regulated lithium battery shipments must not exceed 50% SOC and must be shipped in a closed CTU. Note: Lithium metal batteries are exempt from the 50% SOC requirement.
- Delays due to shipper will result in increased storage fees. All shipping paperwork is due upon receipt of cargo.

Notes:

- Lithium batteries weighing less than 10kg - No more than 4 pallets per CTU.
- Lithium batteries weighing more than 10kg - No more than 2 pallet per CTU.
- See page 2 for Special Provision 188 summary and additional restrictions.



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<u>Special Provision 188 (SP188) Summary</u> (Batteries exempt from regulation must meet this)	Lithium Batteries exempted from the regulations must be:	Lithium-ion cells ≤ 20 Wh Lithium-ion batteries ≤ 100 Wh Lithium metal cells ≤ 1 gram of lithium Lithium metal batteries ≤ 2 grams of lithium
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Materials Not Allowed to be Transported with Lithium Batteries		
	Hazard Class Name	Hazard Class Number
1	Explosives	1
2	Flammable Gas	2.1
3	Flammable Liquids	3
4	Flammable Solids	4.1
5	Spontaneous Combustible	1.2
6	Dangerous When Wet	1.3
7	Oxidizers	5.1
8	Organic Peroxides	5.2
9	Marine Pollutants	

* Notes:

- In addition, any hazardous materials that could create a flammable atmosphere are also prohibited.
- Limited Quantities, Excepted Quantities and Marine Pollutants (that are less than 5L for liquids / 5kg for solids per inner container) are exempt from the above segregation requirements.
- Note: Hazard Classes 1, 2.1, 3, 4, 5 may increase the risk and/or intensity of a fire.
- Note: Marine Pollutants must be stored below deck compared to lithium batteries must be stored above deck.