



IMPORTANT NOTES when travelling by air with lithium batteries

Both Air New Zealand and Jetstar have important restrictions for travellers with lithium batteries.

Batteries and cells must be of a type proven to meet the requirements of the UN Manual of Ratings must be clearly marked. The Watt hour (Wh) rating or lithium content (LC) must be clearly marked by the original manufacturer on all lithium batteries.

Check-in Baggage (less than 100Wh in total).

- Only when installed in electronic equipment*

If greater than 100Wh but less than 160Wh (you must advise when booking tickets)

Spare or loose batteries **are not allowed** in checked-in baggage.

Carry on baggage (less than 100Wh).

- when installed in electronic equipment
- Spare Batteries (only when protected from damage and short circuit**)

The limit is the combined value you are travelling with i.e. check-in 100Wh + carry on 100Wh.

An EV3 battery is 2200mAh @ 10V, this equates to 22Wh but laptop batteries can be as high as 80Wh. So if you are travelling with a EV3, spare battery and a laptop you will need to put your laptop (battery installed in electronic equipment) in your Check In baggage and EV3 and spare battery in your Carry on.

RENZ recommends you consider what you are travelling with before you get to the airport, do the calculations and print off the calculations to show at check in to allay any concerns

This is a handy site to help calculate <https://milliamps-watts.appspot.com/>

* If you pack an electrical device in your check-in baggage, you must prevent it from switching on unintentionally. ie you must have the ON/OFF switch protected to prevent accidental activation

** they must either be in the manufacturer's packaging or protected against a short circuit. You can do this by putting electrical tape across the terminals, or putting batteries in a strong plastic bag.