

## Appendix B : Carriage of Batteries Guide for Passengers & Crew

Whether a battery can be carried or not depends on its type, configuration, the quantity and certain conditions:

- **In equipment** – Securely installed in the device and the device is protected against inadvertent activation – e.g. An On/Off switch that is suitably protected and cannot be accidentally turned on. The device must be completely switched off.
- **Spare or loose batteries** - Are those batteries not installed in the device, carried separately or items such as power banks/packs designed to power or back-up another device. **Spare batteries must be in carry-on baggage only** and must be protected against short circuit by, placing in its original retail packaging, placing each battery in a separate plastic bag or protective pouch or insulating terminals by taping over exposed terminals.
- All lithium batteries must be of a type that meets the requirements of the UN Manual of Tests and Criteria, Part III, subsection 38.3. Documentation verifying this may be required.
- Watt hours (Wh) = Amps (Ah) x Voltage (v).
- ALL OTHER ITEMS OUTSIDE THESE SPECIFICATIONS MUST BE CONSIGNED AS CARGO VIA AN APPROVED DG CARGO AGENT

If in doubt contact the Alliance Operations Control Centre for approval on (07) 3212 1532 or Alliance Airlines Safety Department via [dq@allianceairlines.com.au](mailto:dq@allianceairlines.com.au)

Type	Examples	Quantities permitted	Cabin Baggage	Checked In	Operator Approval Required
Dry Batteries	- AAA, AA, C, D, 9-volt, - Nickel Metal Hydride (NiMH), Nickel Cadmium (NiCad)	<b>In equipment</b> Limited to carrying a reasonable amount needed for personal use only.	✓	✓ Recommended in carry-on	✗
		<b>Spares</b> Limited to 20 * the operator may approve more than 20	✓	✗	
Lithium – ion (polymer) 100Wh or less	Batteries for mobile phones, hand held devices, laptops, tablets, small power tools, video cameras, small toys	<b>In equipment</b> Limited to a max of 15 PED *The operator may approve more than 15.	✓	✓ Recommend in carry-on.	✗ *
		<b>Spares</b> Limited to 20 * the operator may approve more than 20	✓	✗	
Lithium – ion (polymer) 101Wh - 160Wh	Batteries for large camera equipment, garden tools, large drones.	<b>In equipment</b> Limited to carrying a reasonable amount needed for personal use only.	✓	✓ Recommend in carry-on.	✓
		<b>Spares</b> Only two (2) spare batteries	✓	✗	
Lithium-ion (polymer) over 160Wh and Lithium metal over 8g	Electric bikes, Segway's, recreational vehicles and battery packs	<b>NOT PERMITTED</b> Electric Wheelchair/Mobility device exemptions apply			
Lithium metal. 2g or less of lithium metal content	Non-rechargeable batteries for watches, cameras, small toys	<b>In equipment</b> Limited to a max of 15 PED *The operator may approve more than 15.	✓	✓ Recommend in carry-on.	✗ *
		<b>Spares</b> Limited to 20 * the operator may approve more than 20	✓	✗	
Lithium metal Over 2g - 8g lithium metal content	<b>Medical Devices only</b> Not permitted to, from and within the USA	<b>In equipment</b> Limited to carrying a reasonable amount needed for personal use only.	✓	✓ Recommend in carry-on.	✓
		<b>Spares</b> Only two (2) spare batteries	✓	✗	
Non-spillable Batteries 12v or less and 100Wh or less	Sealed Lead Acid (SLA), Gel Type and Absorbed Glass Mat (AGM)	<b>In equipment</b> Limited to carrying a reasonable amount needed for personal use only.	✓	✓ Recommend in carry-on.	✗
		<b>Spares</b> Only two (2) spare batteries	✓	✗	
Electric wheelchair and mobility device exemptions apply	Camera lighting, children's toy vehicles, uninterrupted power sources for computer back-up		✓		✗

Control Click here to [View the CASA Safety Video - Travelling safely with lithium batteries](#)

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