

# What's your type?

Information for Airline passengers on Lithium Batteries

Printed in Canada: 02/2010



For more information contact your airline or visit:  
[www.iata.org/dangerousgoods](http://www.iata.org/dangerousgoods)

Whether a lithium battery can be carried by air or not depends on its configuration and either Watt-hour (Wh) rating (for rechargeable) or Lithium Content (LC) (for non-rechargeable).

Use the following table to determine if your battery is acceptable:

Watt Hour Rating (Wh) or (Li Content)	Configuration	Carry-on Baggage	Checked Baggage	Operator Approval
≤100 Wh (2g)	In Equipment	Yes	Yes	No
	Spares	Yes (No Limit)	No	
>100 to ≤160 Wh	In Equipment	Yes	Yes	Yes
	Spares	Yes (Max 2)	No	
>160 Wh	Must be presented and carried as Cargo in accordance with the IATA Dangerous Goods Regulations			

To convert Amp-hours (Ah) to Watt-hours (Wh) multiply Ah x Voltage

The terminals of all spare batteries must be protected from short circuit by; enclosing them in their original retail packaging or taping over the terminals or separate plastic bags for each battery.

**Spare batteries may not be placed in checked baggage.**

Batteries contained in equipment such as laptop computers, cameras, mobile phones, etc must be switched off and measures taken to ensure that they cannot be accidentally activated when placed in checked baggage.

## Examples of Lithium Batteries

	Small Lithium Batteries and Cells include mobile phone batteries, watch batteries, MP3 player batteries and most original laptop batteries. The maximum rating for these batteries is 100 watt-hours (Wh).
	Medium Lithium batteries and cells include larger batteries and cells – examples include some extended life batteries for laptop computers, and batteries used by audiovisual professionals. A "medium" battery provides between 100 and 160 watt-hours of power.
	Large lithium batteries and cells are primarily those used in industry. A large rechargeable battery provides over 160 watt-hours of power. Large batteries may be found in some electric and hybrid vehicles, as well as mobility devices and scooters.

**Note:** Other commercially available types of batteries such as Ni-Cad, (nickel cadmium), and alkaline can be carried safely in either checked or carry-on baggage provided they are adequately protected against short circuit.