

## Lithium Ion Battery Transport

### Lithium Ion Batteries have restrictions when it comes to Air Transport.

The Products that we are mostly concerned with are our Battery Jumper packs but Lithium Ion batteries have a number of different restrictions according to whether they are individual, fitted in a piece of equipment or in packs.

We advise staff and customers that we need to keep these at over 60% Charge to use for Engine starting which is at odds with Air Transport regulations.

Air Transport Regulations state that Lithium Ion Batteries cannot be Air Transported if Over 30% state of charge and also have a maximum capacity for non-cargo flights of 100Watt Hours (WH)

In an LVGB70 for example the Watt Hours can be calculated by dividing the mAh (5000) by 1000 to give Ah or Amp Hours and multiplying this by the voltage =  $(5000/1000) = 5 \times 12 = 60 \text{ Wh}$ .

i.e. our LVGB70 has a Wh rating of 60Wh although these are under the regulations it also states that batteries are for carry-on luggage only.

LVGB20	20Wh
LVGB40	24Wh
LVGB50	35Wh
LVGB70	60Wh
LVGB150	89Wh



The safest way For JAS Oceania to look at transport of Lithium Ion Products is to restrict them to ROAD FREIGHT ONLY!

**DO NOT SEND ANY LITHIUM ION BATTERIES OR PRODUCTS CONTAINING THEM ON AIR FREIGHT!**