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**CONSUMERS\_20170601\_EN.DOC**

CONSUMERS & PROFESSIONALS

***SUBJECT: RECOMMENDATION ON THE USE OF ALIANT ULTRALIGHT LITHIUM BATTERY***

Dear Sir,

This document is referring to the fact that as a matter of fact, most of the applications and consumer drives uses of ALIANT LITHIUM batteries have been found to be NOT COMPLYING with the CHARGING CURRENT allowed and tolerated by the lithium batteries. The CHARGING VOLTAGE and CHARGING CURRENT values tolerated by the battery are reported in the product manual and in the specification sheet.

It is remarkably important to note that every lithium battery has a charging current which should be respected in the application / mounting of the battery.

- 1) ALIANT Batteries shall be mounted ONLY with ORIGINAL (i.e. manufactured and/or assembled by manufacturer) electric system.
- 2) ALIANT Batteries shall be used ONLY after having checked the charging system of the engine is working at the MAXIMUM correct charging voltage as recommended in the battery product manual and attached specification sheet. The charging system shall be in perfect state condition and it must be monitored continuously. If the charging voltage exceeds the level recommended by ALIANT the battery SHALL NOT BE USED in any case.
- 3) ALIANT Batteries shall be used ONLY after having checked the charging system of the engine is working at the MAXIMUM correct charging current as recommend in the battery product manual and attached specification sheet.
- 4) ALIANT Batteries can be replaced and installed only by specialized and authorized personnel.
- 5) Battery temperature shall be in the range of the specification prescribed by the product datasheet. An external monitor is recommended in order to monitor the temperatures of the battery and of the battery tray. If the temperatures are not complying with the specifications an immediate stop is recommended

- 6) ALIANT Batteries shall not be mounted or used (even temporarily or for short period) if any of the above conditions are not respected.
- 7) The charging process of a lithium battery SHOULD ALWAYS be supervised by personnel.
- 8) Do not try to recharge with NON COMPATIBLE chargers
- 9) Please read carefully the product manual before using a lithium battery

Furthermore ALIANT would like to point out that the use of JUMPER CABLES and the CONNECTION of ALIANT Lithium batteries of the X Series, XP Series and YLP Series are absolutely forbidden and can be extremely dangerous as it can damage irreparably the cell inside the battery with dangerous effects, as written in the product manual and as stated with the former technical report REP\_2013\_A0004\_Aviatore Esterno Batterie\_ENG.pdf published in early 2013.

The charge of ANY ALIANT battery shall be always supervised, as written in the product manual.

Should you have any question, feel free to contact ALIANT Support.

regards