

# GLIDER BATTERY CHARGING

Please ensure that batteries are plugged into the correct chargers.

There are two types of battery in use for Booker Gliding Club (BGC) club gliders:

- Sealed Lead Acid (SLA), commonly called Lead Acid or SLA
- Lithium Iron Phosphate (LiFePO<sub>4</sub>) commonly called Lithium [Ferrite].

BGC owned two-seaters (K21, K13, Duo Discus) have the same battery fittings, wiring and connectors. Lithium batteries are preferred in gliders with more electronic equipment installed. The battery types have different charging requirements and it is important that the correct charger is used.

**Lithium batteries must not be plugged into the Lead Acid battery charging panel in the hangar.**

In order to make the battery type more obvious, BGC batteries and charger cables/sockets have been identified with coloured tape:

- **BLUE - lithium batteries and charger leads**
- **ORANGE - lead acid batteries and charger leads**
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**Be sure to connect BLUE to BLUE and ORANGE to ORANGE**

The ASW19 (319) batteries are fitted in metal mounting cases and have their own battery charger, currently kept in the briefing room.

The Pegase (318) has lead acid batteries permanently fixed into the casing which fits over the spars, the fitting can be plugged into the charging panel in the hangar.

Privately owned gliders may use similar looking batteries and connectors but with incompatible wiring. **Only use batteries with Booker GC labelling.**

An expanded version of this document giving more information about club batteries is available.