



### Englische Ausgabe

**Subject** : Optional use of LiFePo4 batteries in DG and LS sailplanes and motor-gliders

**Effectivity** type: all DG and LS types  
variants: all

**Accomplishment** : Instruction 1: Optional  
Instruction 2: Strongly recommended when using LiFePo4 batteries

**Reason** : In practice, a case has been reported in which a LiFePo4 battery produced smoke. This was caused by chafed cables in the battery housing with a followed intern short circuit. The risk is higher due to increased vibrations in motor gliders. It affects all types that use or are retrofitted with LiFePo4 batteries.

**Instructions** : In order to prevent the risk of an internal short circuit in the battery housing, LiFePo4 batteries will be inspected and internally fixed with a PU resin.

1. Optional installation of new LiFePo4 batteries according to drawing number Z01/3, Z01/4, Z01/5, Z01/6, Z73/2 or Z73/3, each incl. Safety Upgrade
2. Existing LiFePo4 batteries can be retrofitted with the Safety Upgrade. Contact "Accu-24 Batterien & Systeme GmbH" for further information.

From now on DG Flugzeugbau will only install or sell the variant with safety upgrade. This applies to gliders and motor gliders. When using LiFePo4 batteries, it is strongly recommended to use only the version with Safety Upgrade.

**Material** : Z01/3, Z01/4, Z01/5, Z01/6, Z73/2, Z73/3

**Weight and balance** : When installing batteries of a new type or size, or when additional batteries are installed, weight and balance have to be determined. The additional mass due to the safety upgrade is negligible.

**Remarks** : Questions regarding this Service Info may be directed to DG Flugzeugbau via:  
phone: 0049 7251 3020-0 or e-mail: [dg@dg-flugzeugbau.de](mailto:dg@dg-flugzeugbau.de)

Contact Accu-24 Batterien & Systeme GmbH: e-mail: [info@accu-24.de](mailto:info@accu-24.de),  
Tel.: 06045 952520

Batteries with Safety Upgrade are marked below the serial number.

Only additional batteries in the baggage compartment can be replaced by LiFePo4 batteries. Only lead-gel batteries are allowed as motor or fin batteries.

When using LiFePo4 batteries, only batteries according to the above DG drawing no. are allowed.

Please remark that the installation of LiFePo4 batteries based on EASA CS-STAN does not allow a capacity of more than 160Wh.

Bruchsal,  
date:07.02.2019  
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