

## 2.5 Electrical System

Details of the electrical installation are shown in the circuit diagram Fig. 2.5-1.

The on-board avionic system is supplied with power from a battery in the left baggage compartment (wing root). Optionally, a second battery mount can be installed in the left baggage compartment.

Batteries which have a high level of out-gassing or must operate in a vertical position (e.g. lead-acid batteries) cannot be used. Maintenance free batteries such as dry lead gel based system are permissible.

### **NOTE**

*In section "2.5 Electrical System" the normally applicable ASK 21 B electrical arrangement is described. However, according to AS maintenance instruction "Installation of Equipment" customers can request modifications which could diverge from this description.*

### **NOTE**

*"Overload protection must be provided for each electrical equipment. No protective device may protect more than one circuit essential to flight safety." (CS 22.1365).*

### **Battery Types**

Soaring Avionics:

- a) Battery / batteries in the left baggage compartment:
  - LiFePO4-system: "Avionic battery type 4L"  
(P/N 99.000.1058)
  - Lead-gel-system: "Avionic battery type 4P"  
(P/N 99.000.1057)

## 13.4 Maintenance Instructions

The following Maintenance Instructions are established from time to time as required, in accordance with experience accumulated in operating the ASK 21 B. The Maintenance Manual is to be supplemented in case of new issues of Maintenance Instructions. The applicable maintenance instructions are summarized in the "List of applicable publication" for the ASK 21 B including the actual revision.