

BATTERY MANAGEMENT PRACTICAL GUIDE

Introduction

The purpose of this communication is to provide a practical guide to follow to correctly manage the recharging and maintenance of our batteries, summing up the indications already present in the official documentation, or Owner Handbook, service manual and warranty booklet, which remain the official reference; in the final part the communication itself focuses in particular on the correct way to conserve the batteries during a long period of inactivity.

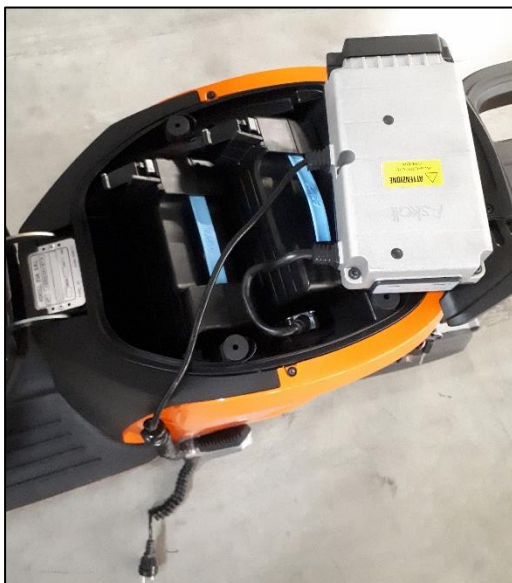
Charger ON BOARD scooter batteries

Proceed as follows to recharge the batteries without removing them from the vehicle.

- 1) Open the battery compartment.



- 2) Remove the charger from the compartment.



3) Connect the charger plug to the mains supply.

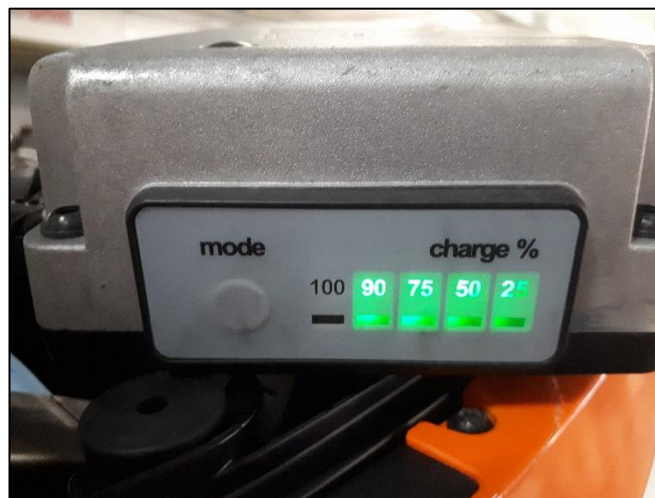


4) Charge the batteries in the vehicle:

- a. Charging in progress with key in "OFF" position: vehicle display warning light, orange battery on and flashing green lights on the charger all blinking at the same time and regardless of the battery charge.



- b. Charging in progress with key in "ON" position: on the vehicle display the battery symbols are displayed with the relative percentage of charge, the orange battery charger light is on flashing; the green lights of the battery charger light up relative to the percentage of charge already present in the battery and the remaining ones start to flash.



- 5) At the end of recharge, the green lights of the charger are all on steady, you must therefore disconnect the charger from the mains,
- 6) store the charger in the appropriate housing and wind the power cord.
- NOTE:** Take care to position the charger cable laterally than the saddle stop pad (see picture below) to avoid damaging it.



Charge OFF BOARD scooter batteries

Proceed as follows to recharge the batteries after removing them from the vehicle.

- 1) Open the battery compartment.



- 2) Remove and disconnect the charger, then lift the battery slightly, disconnect it from the connection cable and remove it from the battery compartment.



- 3) Connect the battery to the charger then connect the charger plug to the mains.



- 4) Charging in progress: the fans of the battery charger are running, the green lights on the percentage of charge already present in the battery light up and the remaining green lights start flashing; as the battery charges, the lights of the relative percentage of charge reached remain on steady.



- 7) At the end of recharging, the green lights of the charger are all on steady, you must therefore disconnect the charger from the mains and from the battery, put it in the appropriate housing, connect it to the socket on board the vehicle and wrap the power cord.

NOTE: Take care to position the charger cable laterally than the saddle stop pad (see picture below) to avoid damaging it.



If the charger is connected to the mains but not to the battery, its fans are active and the green lights are on and off, as in the picture below.



If the battery connected to the charger is damaged, the charger's fans are active and the green lights are on and off, as in the picture below.



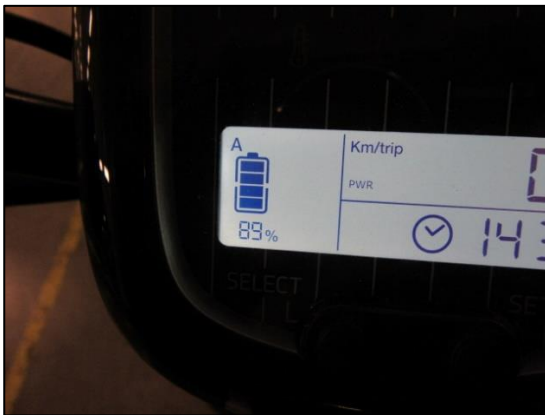
Display of battery charge on the scooter display

When the batteries, either one or both, are inserted in the vehicle and connected, the relative percentage of charge is shown on the vehicle display.

1) Batteries A and B both connected:



2) Battery A (towards the rear of the vehicle) connected:



3) Battery B (towards the front of the vehicle) connected:



Operation of unlocking scooter batteries

If the batteries (one or both) are connected but are not shown on the vehicle's display, they may be blocked. You can unlock them using the charger with the following procedure:

- 1) Charge OFF BOARD as described above
- 2) After connecting the battery, check that the recharging is in progress, according to the indications above, and wait for the battery to recharge
- 3) If the charging does not happen (the charger's fans are on and the green lights are on and off), then the battery can't be released and you need to contact After Sales Askoll

Battery charging bike

Charging the bike battery can only be done by removing it from the bike and placing it on the charger, connected to the power supply.

NOTE: It is good practice to first place the battery on the charger and then connect this to the mains.

- 1) After placing the battery on the charger, all the green lights flash briefly and then remain lit those corresponding to the percentage of charge already present in the battery while the remaining continue to flash.



When the lights remain on steady, the charging process is finished and the battery must be removed from the charger

NOTE: once the charging is complete DO NOT leave the battery placed on the charger for a long time

If once the battery is placed on the charger no green light comes on then the battery itself is damaged and you have to contact the After Sales Askoll.

Selection of charging mode (scooter and bike)

With both types of chargers, both the scooter and the bike, you can set the level of battery charge you want to reach. By repeatedly pressing the "MODE" button, you can choose between the following options cyclically:

- a) 50% → MAINTENANCE: to keep the battery during a period of inactivity
- b) 90% → LONG LIFE: to preserve battery life
- c) 100% → TOTAL CHARGE: to obtain the maximum available autonomy

During a period of frequent use of the vehicle, in order to optimize the efficiency of the system and the useful life of the battery, it is recommended to alternate a 100% charge cycle (TOTAL LOAD) every 10 charge cycles to 90% (LONG LIFE).

During a period of prolonged disuse of the scooter or the bike it is recommended to periodically recharge the batteries, at least every 3 months, using the HOLDING mode or up to 50% charge. When doing this, it is recommended to disconnect the battery from the charger once the charging is complete.

NOTE: if the failure to comply with the battery maintenance conditions (already indicated in the Use and Maintenance Manual) causes irreversible damage to the battery, it can not be replaced under warranty (as already provided by the General Conditions of Guarantee in point 2.2).