

# Translations:Fonctionnement, entretien et régénération de batteries au plomb/40/en

An open battery is a battery with liquid electrolyte equipped with plugs allowing to fill it. Open batteries are not watertight: the liquid inside evaporates little by little, so it is necessary to check its level regularly and top it up if necessary with distilled water.

| Advantages  | Disadvantages   |
|---|---|
| Repairable  | Maintenance required  |
| Delivers current in cold temperatures ( Their CCA rating indicates the battery has sufficient power to crank an engine in very cold temperatures) | Risk of non-homogeneity of the electrolyte if little used = premature aging         |
| Withstands overloads and overheating (one can add liquid if it evaporates)  | Release of hydrogen and, therefore, risk of explosion if environment not ventilated |
| Low cost  | Not conducive to cold, risk of electrolyte freezing                                 |
|   | Strong self-discharge (10-12% per month) if not used regularly.                     |
|   | Leaks possible if there is tilting or shaking/vibrations                            |