

Translations:Fonctionnement, entretien et régénération de batteries au plomb/7/en

- A lead battery is made up of 'a set of cells'. The nominal voltage of an accumulator/cell is approximately 2.1 V, and so a 12-V battery consists of six accumulator/cell mounted in series and connected by welded lead. (A series of cells connected in series, or parallel is called module) The cells are fitted/packed in a plastic container and sealed with a lid.
- Each cell comprises pairs of 'positive and negative electrodes' (plates) connected in parallel, with a separator in between each pair.
- The 'separators' are generally rectangular porous sheets, inserted between the positive plates and the negative plates, and have the following important characteristics:
 - they serve/act as perfect electrical insulators.
 - they are highly permeable to ions carrying electrical charges.
 - they have excellent resistance to sulfuric acid,