Lead (or lead alloy) positive and negative plates with grid-like structures are manufactured.

Different pastes are applied to the negative and positive plates, pressed into the holes of the grids.

Several plates are then arranged in alternating order with a separator added to stop them touching each other.

Each set of plates is placed within a compartment in a case to make a cell and the cells are connected together.

Electrolyte (a mixture of water and sulfuric acid) is added to each cell to cover the plates completely.

The battery is sealed shut with a lid that has safety vents which can release excessive gas build-ups in the cells.