

# Translations:Fonctionnement, entretien et régénération de batteries au plomb/51/en

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- **Drying of the electrolyte:** Naturally, the water contained in the electrolyte evaporates a little. Valve regulated lead acid (VRLA) batteries promote its recondensation, which reduces the need for additional distilled water (unlike open batteries). But, once the battery is charged, a supply of current initiates the electrolysis of the water with the formation of oxygen and hydrogen gas. In a VRLA battery, beyond a certain pressure, safety valves let the water escape permanently. This is problematic because topping up with distilled water is not possible.

## How to avoid it ?

- Avoid overloads: check the data sheets to ensure that the load currents and durations are not too high.
- Avoid high temperatures: ventilate or insulate the battery room, leave space between each battery.