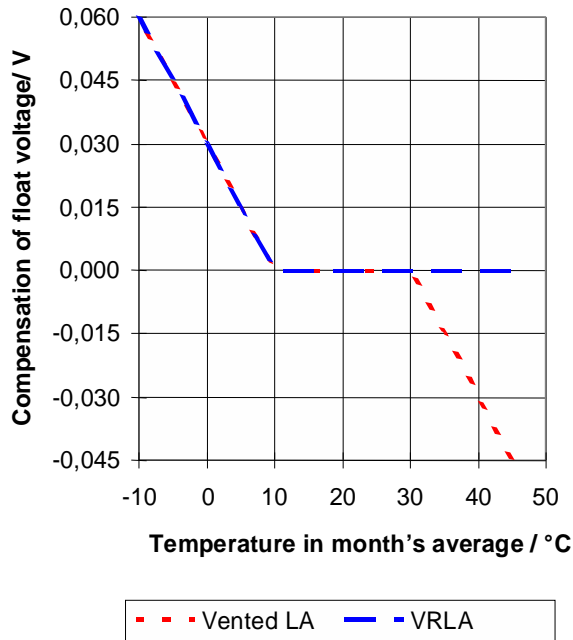


Float charging of stationary batteries

The float voltage for OPzV-batteries is to be kept at : number of cells times 2.25V +-1%.

The following diagram shows the temperature-compensation of the float voltage.



- Temperatures in month's average from +10°C up to +30°C are common in most of battery applications. In this range no temperature compensation has to be considered.
- Below +10°C, the float voltage should be increased in order to shorten the recharging time.
- For **valve regulated batteries**, the float voltage must not be decreased at temperatures between 30°C and 45°C in order to maintain the fully charged state of the battery.
- For **vented batteries**, the float voltage should be decreased at temperatures between 30°C and 45°C in order to reduce corrosion and water loss.
- In the case of operating temperatures below -10°C or over 45°C, the manufacturer has to be consulted.

If the float voltage is set smaller than recommended then full conservation of positive and negative electrodes of all cells can not be maintained. The float voltages of cells with slightly increased temperatures decrease. Due to this the cell voltages diverge more and more.

Here recommended float voltages have to be followed.

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