

MAINTENANCE AND SERVICING OF TRACTION BATTERIES



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- The autonomy of a traction battery is 05 hours.
- The charging time of a traction battery after a 05-hour discharge is between 10-12 hours.
- The battery should be charged only once per day.
- Monitor the electrolyte level at least once per week.
- The electrolyte level adjustment should be performed only after charging.
- Add only distilled or demineralized water, and never acidic water, to the battery.
- Electrolyte density after charging is between 1,260 and 1,280 g/cm³ at 25 °C.
- After charging it and letting it rest for 02 hours, the battery's voltage should be between 2.11 V and 2.14 V / cell.
- While charging the battery, it is not necessary to open the caps.
- Monitor the cleanliness of the terminal connections.
- Never clean the battery directly with water.
- Before each use, clean the battery with a damp cloth.
- The duration of storage of a flooded battery is 1 month. Exceeding this period, it is compulsory to recharge it (never store the battery in a discharge state).
- The service life of a traction battery is directly influenced by the number of charge-discharge cycles and not by the number of hours worked (between 1500 and 1600 cycles).
- The battery full-capacity will only be reached after 15 charge-discharge cycles. It is therefore normal for the battery to yield only partial capacity during the first 05 discharges.

If the battery is equipped with an automatic filling system, the filling time must not exceed 05 minutes, and the process must not be carried out until the battery is fully charged.

