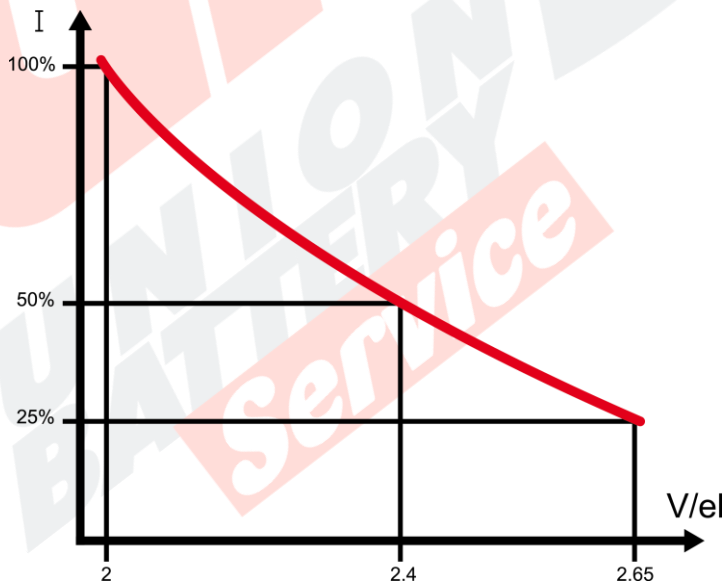
TECHNICAL SPECIFICATIONS ON THE CORRECT CHARGING METHOD FOR 'YUASA PRO-SPEC' LEAD ACID BATTERIES

Assumptions:

- Discharged battery NO more than 80%.
- Correct electrolyte level: plates fully immersed (any topping-up done at the end of charging). *Check the electrolyte level at least twice a month!*
- Room temperature 20/25°C.
- Correct charging factor: 1.15/1.20
- Electrolyte density at end of charging: 1.27/1.29
- Voltage at start of charging: 2.40 Volts/cell (e.g. 24Volt battery: 28.8Volts)

1. "Wa" CYCLE (DIN 41774)

- Charging time: max 11/12 hours
- Charger charging current: 16Amp per 100Ah/5h of battery capacity (tollerance +/- 10%)
- Charging cycle graph:



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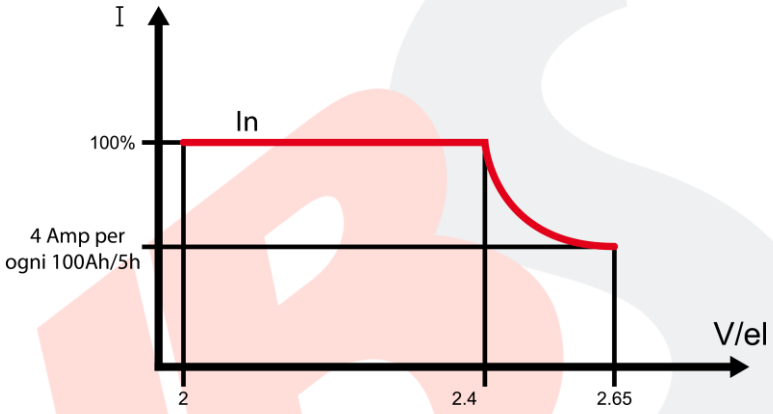
2. "IWa" CYCLE

- Charging time: max 11/13 hours
- Charger charging current: 10/8Amp (In) per 100Ah/5h of battery capacity (tollerance +/- 5%)
- Charging cycle graph:



3. Other cycles: to be evaluated

The use of incorrectly sized battery chargers or chargers with different charging cycles could have the following consequences:

A. Insufficient charging:

- Stratification of the electrolyte
- Sulphation
- Drastic loss of capacity

B. Excessive chargers:

- Increase of battery temperature
- Excessive consumption of "water"
- Drastic loss of cyclicity

These events are not covered by warranty.

Other events not covered by warranty:

- Interrupted charging
- Leaving the battery discharged for more than one day
- Discharges over l'80%
- Simultaneous charging and discharging

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