
STC Charger



Fully-automatic standard charger

The STC charger is a fully-automatic standard charger designed for charging of open traction lead-acid batteries.

The charging is performed according to W_a charging characteristics where the charging current decreases as the battery voltage increases.

When the battery is connected and the charger is switched on, the automation assumes control so that the battery can achieve the correct charging in relation to its condition and discharging depth.

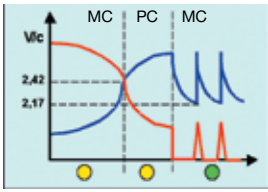
The charger is protected against too high temperatures and will shut off temporarily if the transformer becomes too warm.

During charging the charging process is indicated with 3 LEDs – 2 yellow ones and 1 green one.

The 2 yellow LEDs indicate that main charging and after charging respectively is in progress.

The green LED indicates that the battery is fully charged and that maintenance charging has been commenced.

STC Charger



Wa charging characteristic

The STC charger's Wa charging curve is the most simple charging characteristic in EXIDE's charging range.

For normal operation when charging time is not so important and the battery is not a very expensive battery, this type of charger is still the most economic choice.

But when charging times and battery sizes are of more vital importance, you should choose the intelligent constant current charger as it charges the battery more gently and in less than 6 hours.

Charging Process

MC – main charging

Descending current up to 2.42 V/c – max. 10 hours

PC – after charging

Approx. 60% of the main charging time – min. 3/4 hours

MC – maintenance charging

When the cell voltage falls to 2.17 V/c, pulse charging is performed for approx. 1.3 minutes.

The interval between each pulse is at least 20 minutes.

If the total charging time of 16 hours is exceeded, the charger automatically switches to after charging.

Choice of Charger

The charger provides the battery with “fuel” which again supplies energy to the truck, just as petrol does to the car's petrol engine – and who would dream of filling 92 octane petrol into a 98 octane engine?

Incorrect battery charging will quite simply ruin the battery gradually or perhaps very quickly.

Therefore, it is important to realise what performance you require from your “charger/battery package” – both now and in future.

- Do you require heavy duty or normal operation?
- Do you have long or short charging times at your disposal?
- Do you work a few hours each day or do you work 24 hours a day?

These questions should be clarified before buying your charger.

If you do not know which charger to choose, contact EXIDE's sales department – it's worth it!