

Step 1 Softstart phase:

Serves to put a deep discharged battery back into a chargeable state. The softstart phase is not necessary if the battery voltage is at least 10.0 V.

Sten 2 Rulk phase

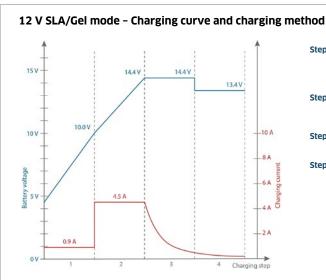
The battery is constantly charged with max. 4.5 A charging current.

Step 3 Absorption phase:

Constant voltage charging.

Step 4 Floating phase:

After reaching the cut-off-voltage (14.7 V), the battery is constantly supplied with current. Capacity losses through self-discharge are compensated immediately.



Step 1 Softstart phase:

Serves to put a deep discharged battery back into a chargeable state. The softstart phase is not necessary if the battery voltage is at least 10.0 V.

Step 2 Bulk phase:

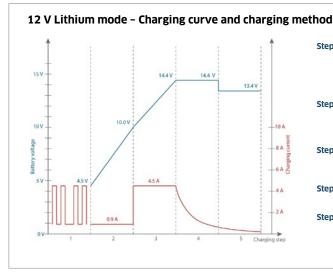
The battery is constantly charged with max. 4.5 A charging current.

Step 3 Absorption phase:

Constant voltage charging.

Step 4 Floating phase:

After reaching the cut-off-voltage (14.4 V), the battery is constantly supplied with current. Capacity losses through self-discharge are compensated immediately.



Step 1 Check phase:

If the battery management system (BMS) is switched off due to low battery voltage, it is reactivated by a control signal from the battery charger. Not until then does the charging process start.

Step 2 Softstart phase:

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Step 3 Bulk phase

The battery is constantly charged with max. 4.5 A charging current.

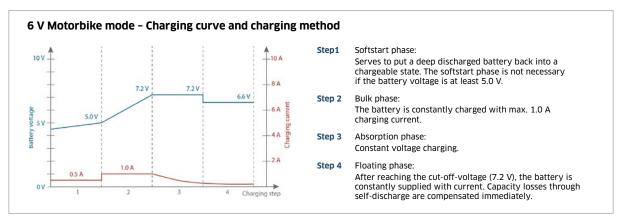
Step 4 Absorption phase:

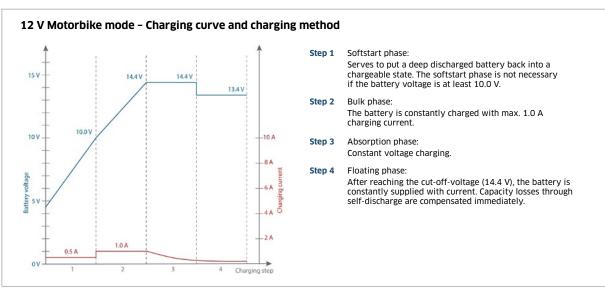
Constant voltage charging.

Step 5 Floating phase

After reaching the cut-off-voltage (14.4 V), the battery is constantly supplied with current. Capacity losses through self-discharge are compensated immediately.







Staudte Hirsch

Designed in Germany. Powered by IVT.

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