1) CCS9310CTC, CCS9310B2, CCS9605FK, CCS9606, CCS9620LT, CCS9630:
The first recharge starts approx. 1h after charge termination. The time interval to the next recharge is determined by the controller. If the recharge time is shorter than TDRL, the delay will be doubled (max. 5 days). If the recharge time is longer than TDRH, the delay will be half (min 1hour). If the recharge time is between TDRL and TDRH, the recharge delay is not altered.

TDRL = 10 min	TDRH = 20 min

2) CCS9620SL-ABCDEFG:
The first recharge starts approx. 1h after charge termination. The time interval to the next recharge is determined by the controller. If the recharge time is shorter than TDRL, the delay will be doubled (max. 5 days). If the recharge time is longer than TDRH, the delay will be half (min 1hour). If the recharge time is between TDRL and TDRH, the recharge delay is not altered.

TDRL = 20 min	TDRH = 40 min

3) CCS9620SL-AB:
The first recharge starts 1h after completion, one battery care cycle will begin and last for about 15-30 Minutes. LED=off (OUT2=L). The time interval to the next recharge is fixed. About 10 days after the first battery care cycle, the next battery care cycle is initiated and will last for about 15-30 Minutes. LED=off (OUT2=L). About 10 days after every battery care cycle the next battery care cycle is initiated and will last for about 15-30 Minutes. LED=off (OUT2=L)
Charge LED is disabled during "battery care".

4) CCS9410ER, CCS9633:
The recharge for the first battery starts approx. 1h after charge termination. Recharge, if necessary, will always follow the order A1, A2, A3. In any case every battery will be charged and recharged only one time. If a battery shaft is empty or a battery is already charged+recharged, the controller turns over to the next battery shaft. If all batteries are fully charged and recharged, the charging station stays in standby position. The moment when a battery is replaced, a new charging process starts and all batteries will be recharged.

Battery Protection Mode:

CCS9505, CCS9606, CCS9620LT:
To protect the batteries against total discharge during standby operation, the charge process will start automatically when the battery voltage sinks below 1V/cell

Comments: Our aim is to help you best in the design of superior chargers with CCS-technology. This Application Note was carefully composed. However, according to the wide range of solutions not all aspects and possibilities can be covered by this publication. Furthermore errors cannot be completely excluded and we do not provide any responsibility for the given applications. Therefore we welcome your response comments and suggestions for further improving our CCS-Application Notes. **Thank you!**

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