SC10 1A Charger

The **SC10** is the smallest smart charger in the **SC Power** line-up.

Our smart charger/maintainer is ideal for motorcycles, scooters, jet skis, ATVs and lawn mowers.

The charger is fully automatic for both 6 and 12V lead acid batteries, and has the ability to reverse sulfation in most 12V lead acid batteries.

Heavy Duty crocodile clamps with soldered leads and an O-ring for easy connections are included

Technical specifications:

Applications	For all lead acid batteries (Conventional, Gel, AGM) up to 60 Ah
Input voltage	100-240 volts automatic
Output voltage	6V / 12 volts selectable
Output current	1 A
Charging program	The **SC10**, through its advanced microprocessor, performs up to 9 different charging/inspection functions on 12 volt batteries. While 6 volt batteries have 4 separate charge/ins--pection functions available. The **SC10** will reverse sulfation in most batteries.
Ingress protection rate	IP 65
Safety features	Reverse polarity, short circuit, spark proof, overload, overheat and auto-stop
Certifications	CE RoHS
Sizes	L 122,5 mm x W 74 mm x H 42 mm
Weight	320 gr

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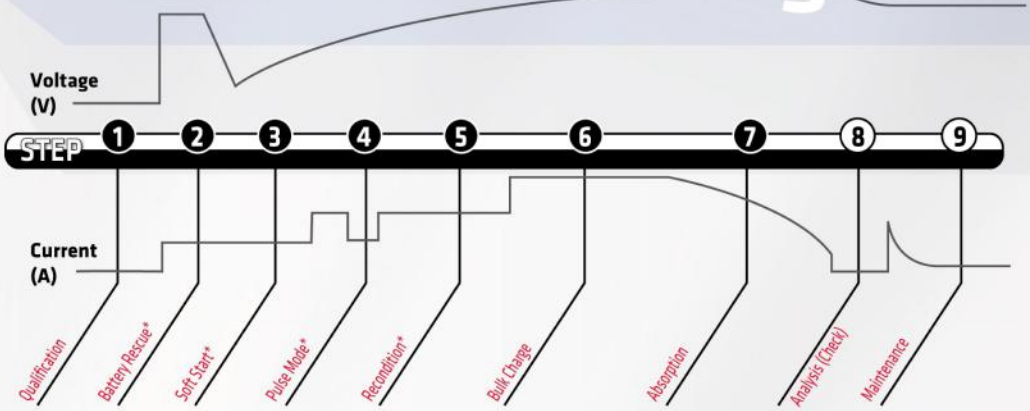
9 step charging curve • Lead/Acid 12 volts



Steps 2, 3, 4 and 5 are desulfation

1. Qualification : ensure the battery is in good condition before launching of normal charge processes.

2. Battery recovery : battery recovery starts if battery voltage has increased abnormally during the first charging cycles.

3. Soft start : a soft charge starts when the charger has detected a battery at a very low initial state of charge

4. Pulse mode : This pulse charge helps the newly recovered battery to continue to accept charge as it enters the reconditioning step.

5. Reconditioning : the reconditioning step starts once pulse charge is complete. During this step, the battery is charged with a higher voltage and current to "re-activate" the battery plates

6. Bulk charge : when the battery is now having gone through Qualification and Recovery steps, the Bulk Charge gives the battery constant current, taking the battery up to 80 % of its full capacity

7. Absorption: during this step, a constant voltage is given to the battery while current is decreasing. This step allows the battery to be 100% charged

8. Analysis and check : the battery will now be checked to ensure that it is holding the charge

9. Maintenance : the battery can be left safely connected to the charger indefinitely. The charger will constantly monitor the battery and "turn on" again as needed to maintain the battery at a full state of charge.

*Asterisks denote the steps of battery recovery processing (desulfation)

4 step charging curve • Lead/Acid 6 volts